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Set	Items	Description
S1	1756	(MOTOR OR ENGINE? ?) ()OIL? ?
S2	118	S1(5N) (DESIGN? OR CUSTOMI? OR CREAT? OR PRODUCE? OR DEVELO- P?)
S3	26	S1(5N) (SELECT? OR CHOOS? OR DETERMIN? OR RECOMMEND? OR SUG- GEST?)
S4	0	(WEBSITE? OR WEBPAGE? OR WEB() (SITE? OR PAGE? OR INTERNET)- ) (5N)CASTROL?
S5	13246	AU=(MCHENRY, M? OR MCHENRY M? OR GOLDBLATT, I? OR GOLDGLATT I? OR SEYMOUR, C? OR SEYMOUR C? OR BROWN, M? OR BROWN M? OR - SMITH, A? OR SMITH A?)
S6	0	S2(8N) (WEBSITE? OR WEBPAGE? OR WEB() (SITE? OR PAGE? OR INT- ERNET))
S7	0	S3(8N) (WEBSITE? OR WEBPAGE? OR WEB() (SITE? OR PAGE? OR INT- ERNET))
S8	0	S1(8N) (WEBSITE? OR WEBPAGE? OR WEB() (SITE? OR PAGE? OR INT- ERNET))
S9	16	S3 NOT PY>2000
S10	16	RD (unique items)
S11	117	S2 NOT S10
S12	89	S11 NOT PY>2000
S13	85	RD (unique items)
S14	33	S13 NOT DEVELOP?
S15	1	S5 AND (S2 OR S3)

10/5/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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5902028 INSPEC Abstract Number: A9811-0630C-006, B9806-7320C-008

**Title: Laser-induced fluorescence measurement of the oil film thickness in an internal combustion engine**

Author(s): Ostroski, G.M.; Ghandhi, J.B.

Author Affiliation: Engine Res. Center, Wisconsin Univ., Madison, WI, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.3172 p.597-604

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1997 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1997)3172L:597:LIFM;1-W

Material Identity Number: C574-98009

U.S. Copyright Clearance Center Code: 0277-786X/97/\$10.00

Conference Title: Optical Technology in Fluid, Thermal, and Combustion Flow III

Conference Sponsor: SPIE

Conference Date: 28-31 July 1997 Conference Location: San Diego, CA, USA

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Applications (A); Experimental (X)

Abstract: The use of a fluorescent dopant molecule to enhance the natural fluorescence of motor oils, and allow quantitative determination of temperature and film thickness in internal combustion engines has been investigated. Measurement of the fluorescence as a function of temperature were made with neat Mobil 1, and solutions of the dopant BTBP in mineral oil and Mobil 1. The fluorescence yield of neat Mobil 1 was found to vary by 30 percent over the temperature range explored, but the spectral characteristics, as measured with bandpass filters, were unaffected by temperature. The BTBP fluorescence was found to increase significantly with temperature, and it was found the narrower regions in the spectrum increased proportionally more than the fluorescence collected over the entire spectrum, allowing a determination of temperature to be made which can then be used to correct for the change in fluorescence yield. Solutions in Mobil 1 showed a smaller increase than that observed in mineral oil. (8 Refs)

Subfile: A B

Descriptors: fluorescence; internal combustion engines; liquid films; lubrication; measurement by laser beam; spectral methods of temperature measurement; thickness measurement

Identifiers: oil film thickness; internal combustion engine; laser-induced fluorescence measurement; fluorescent dopant molecule; natural fluorescence; motor oils; quantitative determination; neat Mobil 1; spectral characteristics; bandpass filters; BTBP; lubricants; oil temperature measurement

Class Codes: A0630C (Spatial variables measurement); A4260K (Laser beam applications); A0720D (Thermometry); A4630P (Friction, wear, adherence, hardness, mechanical contacts); B7320C (Spatial variables measurement); B4360 (Laser applications); B7320R (Thermal variables measurement); B8230 (Thermal power stations and plants)

Copyright 1998, IEE

10/5/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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5772661 INSPEC Abstract Number: B9801-7320R-009, C9801-3340B-009

**Title: A cleanable metal based emission particulate filter for diesel engines**

Author(s): Dillmann, H.G.; Furrer, J.; Stohr, J.

Author Affiliation: Inst. fur Technische Chemie, Germany

Conference Title: 28th International Symposium on Automotive Technology and Automation. Proceedings for the Dedicated Conference on Mechatronics - Efficient Computer Support for Engineering, Manufacturing, Testing and Reliability p.433-40

Editor(s): Soliman, J.I.; Roller, D.

Publisher: Automotive Automation, Croydon, UK

Publication Date: 1995 Country of Publication: UK 810 pp.

ISBN: 0 947719 72 5 Material Identity Number: XX95-02095

Conference Title: Proceedings of Conference on Mechatronics - Efficient Computer Support for Engineering, Manufacturing, Testing and Reliability

Conference Date: 18-22 Sept. 1995 Conference Location: Stuttgart, Germany

Availability: Automotive Automation Ltd, 42 Lloyds Park Avenue, Croydon, CRO 5SB, UK

Language: English Document Type: Conference Paper (PA)

Treatment: Experimental (X)

**Abstract:** In 1994 loading and cleanup cycles were performed for the first time with prototype filter candles in a test bed. A mixture of diesel oil/**motor oil** was burned in order to **determine** directly the influence exerted by **motor oil** additives because the latter may lead to the destruction of the ceramic filter media. To initiate the burnup of particulates a 12V, 1200A high-current control system was built. More than 1000 cleanup cycles were performed with this system. After successful completion of preliminary testing, the electric control system was modified to become automated. At the same time, a new candle frame was built and equipped with instruments for measurement of pressure drop, volume flow rate, and temperature. Then a program of permanent operation over five weeks was carried out on the engine test bed with real exhaust gases from a Golf diesel engine. During daytime operation different conditions of load and speed were set; during nighttime operation the average load and speed were set fully automatically. More than 1400 cleanup cycles have been performed successfully on the engine test bed. (0 Refs)

Subfile: B C

Descriptors: air pollution control; control systems; flow measurement; internal combustion engines; pressure measurement; temperature measurement

Identifiers: cleanable metal based emission particulate filter; diesel engines; cleanup cycles; filter candles; ceramic filter media; high-current control system; pressure drop; volume flow rate; Golf

Class Codes: B7320R (Thermal variables measurement); B7320W (Level, flow and volume measurement); B7320V (Pressure and vacuum measurement); C3340B (Control of heat systems); C3310G (Pollution control); C3210P (Control systems)

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10/5/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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5743340 INSPEC Abstract Number: A9724-8280T-011, B9712-7230-060

**Title: The application of a.c. impedance technique for detecting glycol contamination in engine oil**

Author(s): Wang, S.S.; Han-Sheng Lee

Author Affiliation: Dept. of Electr. & Electron., Gen. Motors Res. & Dev. Center, Warren, MI, USA

Journal: Sensors and Actuators B (Chemical) vol.B40, no.2-3 p.193-7  
Publisher: Elsevier,  
Publication Date: 15 May 1997 Country of Publication: Switzerland  
CODEN: SABCEB ISSN: 0925-4005  
SICI: 0925-4005(19970515)B40:2/3L:193:AITD;1-W  
Material Identity Number: N867-97009  
U.S. Copyright Clearance Center Code: 0925-4005/97/\$17.00  
Document Number: S0925-4005(97)00064-6  
Language: English Document Type: Journal Paper (JP)  
Treatment: Experimental (X)

Abstract: A few hundred ppm of ethylene glycol (a major component in antifreeze) can cause detrimental changes in engine oil. In this work, the a.c. impedance technique has been employed to measure the bulk-layer resistance of engine oil containing glycol. It is found that the bulk-layer resistance declines abruptly as the glycol concentration increases from 50 to 150 ppm. In addition, the bulk-layer resistance for glycol-contaminated engine oil remains constant during a 10-day time span, indicating that the measured resistance is not affected by the formation of micelles between glycol and detergents/dispersants. However, commercial engine oils contain different amounts of detergents, and the bulk-layer resistance for fresh oils varies. Therefore, a software program is necessary to compare the bulk-layer resistance measured from fresh and glycol-contaminated engine oil in order to **determine** precisely the extent of glycol contamination. (11 Refs)

Subfile: A B

Descriptors: automobiles; chemical sensors; electric impedance measurement; electrochemical analysis; lubrication; organic compounds

Identifiers: glycol contamination; engine oil; AC impedance technique; antifreeze component; bulk-layer resistance; micelles formation; software program; electrochemical sensor; lubricant

Class Codes: A8280T (Chemical sensors); A8280F (Electrochemical analytical methods); A0750 (Electrical instruments and techniques); B7230 (Sensing devices and transducers); B7320T (Chemical variables measurement); B8520 (Transportation); B7310J (Impedance and admittance measurement)

Copyright 1997, IEE

10/5/4 (Item 4 from file: 2)

DIALOG(R) File 2:INSPEC

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4447001 INSPEC Abstract Number: A9317-8120T-001

**Title: Influence of test fluid on fabric permeability measurements and implications for processing of liquid moulded composites**

Author(s): Steenkamer, D.A.; Wilkins, D.J.; Karbhari, V.M.

Author Affiliation: Center for Composite Mater., Delaware Univ., Newark, DE, USA

Journal: Journal of Materials Science Letters vol.12, no.13 p.971-3

Publication Date: 1 July 1993 Country of Publication: UK

CODEN: JMSLD5 ISSN: 0261-8028

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: The in-plane permeabilities of several textile fabrics commonly used in liquid moulding processes were measured. The test fluids were motor oil, diluted corn syrup and a resin transfer moulding resin. The results showed that the motor oil had little affinity for the fibreglass reinforcements, while both the vinyl ester resin and the diluted corn syrup wet out the fibres quite well. Also, the square root of the ratio of the in-plane permeabilities, which is typically used to indicate the anisotropy of the fabric, showed good agreement between the corn syrup and the vinyl ester for both fabrics. However, there is considerable difference between

these values and those **determined** with the **motor oil** . (9 Refs)

Subfile: A

Descriptors: glass fibre reinforced plastics; materials preparation; permeability

Identifiers: test fluid influence; glass fibre reinforced plastics; fabric permeability measurements; processing; liquid moulded composites; in-plane permeabilities; textile fabrics; motor oil; diluted corn syrup; resin transfer moulding resin; vinyl ester resin

Class Codes: A8120T (Reinforced polymers and polymer-based composites)

10/5/5 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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02087616 INSPEC Abstract Number: A83080976

**Title: External near-contact of sliding cylinders: polymer solutions give increased load and reduced friction coefficient**

Author(s): Oliver, D.R.; Bakhtiyarov, S.I.; Shahidullah, M.

Author Affiliation: Dept. of Chem. Engng., Univ. of Birmingham, Birmingham, UK

Journal: Journal of Non-Newtonian Fluid Mechanics vol.12, no.3 p. 269-82

Publication Date: May 1983 Country of Publication: Netherlands

CODEN: JNFMDI ISSN: 0377-0257

U.S. Copyright Clearance Center Code: 0377-0257/83/\$03.00

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: A small, fixed cylinder attached to a load cell almost touches a larger, rotating cylinder (axes parallel). When a Newtonian liquid is introduced into the gap as a lubricant, the normal load and coefficient of friction are in reasonable agreement with theoretical predictions. When elastico-viscous polymer solutions are used, however, at progressively increasing polymer concentrations, the load increases to over 20 times the theoretical prediction and the coefficient of friction falls to half its theoretical value. It is shown that the changes in load factor are closely related to measured changes in the elastic of the solutions, obtained by means of the jet thrust method. Finally, it is **suggested** that polymer-thickened **motor oils** should be developed with lower viscosity but with satisfactory wear characteristics, in order to reduce the fuel consumption of the engine. (11 Refs)

Subfile: A

Descriptors: friction; lubrication; polymer solutions

Identifiers: near-contact; sliding cylinders; polymer solutions; load; friction coefficient; Newtonian liquid; lubricant; jet thrust; fuel consumption

Class Codes: A4630P (Friction, wear, adherence, hardness, mechanical contacts)

10/5/6 (Item 1 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01567379 ORDER NO: AAD13-83203

**COMPOSTING PROCESS AND DEGRADATION OF ORGANIC MATERIAL INCLUDING USED MOTOR OIL WITH ASPERGILLUS NIGER LINK**

Author: MALDONADO RAMIREZ, SANDRA LEE

Degree: M.S.

Year: 1996

Corporate Source/Institution: UNIVERSITY OF PUERTO RICO, MAYAGUEZ  
(PUERTO RICO) (0553)  
Adviser: CARLOS BETANCOURT LOPEZ  
Source: VOLUME 35/04 of MASTERS ABSTRACTS.  
PAGE 980. 40 PAGES  
Descriptors: BIOLOGY, MICROBIOLOGY ; ENGINEERING, CHEMICAL  
Descriptor Codes: 0410; 0542

Fifteen milliliters of a spore suspension of *Aspergillus niger* Link were inoculated in a bench-scale reactor with 0.0%, 0.1%, 0.5% and 1.0% of used motor oil. The percent of degradation was determined using the method of organic decomposition (composting). The total percent of degradation cannot be attributed only to *A. niger* because of the participation of other filamentous fungi in the processes. The addition of used motor oil diminished the percent of degradation obtained at the end of the composting process.

10/5/7 (Item 2 from file: 35)  
DIALOG(R) File 35:Dissertation Abs Online  
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849020 ORDER NO: AAD84-07857  
ON THE OCCURRENCE AND ORIGINS OF HOPANOIDS IN THE CHESAPEAKE BAY (MARYLAND, VIRGINIA)

Author: WATTAYAKORN, GULLAYA  
Degree: PH.D.  
Year: 1983  
Corporate Source/Institution: THE COLLEGE OF WILLIAM AND MARY IN VIRGINIA (0261)  
Source: VOLUME 45/04-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 1134. 178 PAGES  
Descriptors: GEOCHEMISTRY  
Descriptor Codes: 0996

Analyses of surface sediment samples from the Chesapeake Bay and sediment cores from the James and the Potomac River showed that pentacyclic triterpenoids of the hopanoid skeleton were ubiquitously present in all samples. The hopanoids have been identified and quantified by gas chromatographic retention data obtained on SE-52 stationary phase, and mass spectral comparisons with the branched/cyclic fraction of a Lorraine coal extract as well as published data from authentic standards. Hopanoid acids are of extended 17(beta)(H), 21(beta)(H)-structure, ranging from C(,31) to C(,33). The 17(beta)(H), 21(beta)(H)-bishomohopanoic acid (C(,32)) is always the major acid found in the samples. All acids were present as a single epimer (22R). The 17(alpha)(H), 21(beta)(H)-hopane series is predominant in all the samples, with lesser amounts of the 17(beta)(H), 21(beta)(H)-hopane series and some hopenes also present. The extended 17(alpha)(H), 21(beta)(H)-hopanes (> C(,31)) are found as mixtures of the 22R and 22S diastereomers. This indicates that there is a significant input of fossil hopanes into the Chesapeake Bay. Generally, high concentrations were found at river-mouth stations and in the northern Bay areas associated with industrial activities and intense urban development. These results are consistent with an anthropogenic source for the aromatic hydrocarbons present in the samples.

Fossil hopanes appear to derive from a variety of sources including coal, crude oil, refined motor oil, asphalt particles and street dust. A comparison of hopanoid distributions in Bay sediments with possible source materials suggests that motor oil, asphalt particles and street dust are potentially important sources of fossil hopanes to the Bay. There is evidence that the input of hopanoids to surface soils is related

to highway usage. These source materials and the associated fossil hopanes are reaching the Bay via natural and urban runoff, either directly or via river transport. Final accumulation in Bay sediments is evident from the elevated concentrations of fossil hopanes at river-mouth stations. These accumulations indicate that rivers are important sources of fossil hopanes to the Bay.

An anomaly in the S/R ratio of the 17(alpha)(H), 21(beta)(H)-homohopane (C(,31)) in many sediment samples from the Bay is interpreted as evidence of a microbially induced isomerization of 17(beta)(H), 21(beta)(H)-C(,31) hopane (R) to 17(alpha)(H), 21(beta)(H)-C(,31) hopane (R). . . . (Author's abstract exceeds stipulated maximum length. Discontinued here with permission of author.) UMI

10/5/8 (Item 1 from file: 65)

DIALOG(R)File 65:Inside Conferences

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02669946 INSIDE CONFERENCE ITEM ID: CN027795796

**Sequence VIB Engine Test for Evaluation of Fuel Efficiency of Engine Oils -Part II: Stage Selection and Time Factor Determination**

Sorab, J.; Korcek, S.; McCollum, C. B.; Schriewer, K. W.

CONFERENCE: Fuel economy and wear performance on engine oils-Session

SAE SP, 1998; NUMB 1404 P: 59-68

SAE, 1998

ISBN: 0768003296

LANGUAGE: English DOCUMENT TYPE: Conference Papers

CONFERENCE SPONSOR: SAE

CONFERENCE LOCATION: San Francisco, CA

CONFERENCE DATE: Oct 1998 (199810) (199810)

BRITISH LIBRARY ITEM LOCATION: 8062.927300

NOTE:

Held as part of the International Fall fuels and lubricants meeting

DESCRIPTORS: fuel economy; fuels; lubricants; SAE; wear performance; engine oils

10/5/9 (Item 2 from file: 65)

DIALOG(R)File 65:Inside Conferences

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02669945 INSIDE CONFERENCE ITEM ID: CN027795780

**Sequence VIB Engine Test for Evaluation of Fuel Efficiency of Engine Oils -Part I: Aging Procedure for Determination of Fuel Efficiency Retention**

Johnson, M. D.; McCollum, C. B.; Korcek, S.; Jensen, R. K.

CONFERENCE: Fuel economy and wear performance on engine oils-Session

SAE SP, 1998; NUMB 1404 P: 49-58

SAE, 1998

ISBN: 0768003296

LANGUAGE: English DOCUMENT TYPE: Conference Papers

CONFERENCE SPONSOR: SAE

CONFERENCE LOCATION: San Francisco, CA

CONFERENCE DATE: Oct 1998 (199810) (199810)

BRITISH LIBRARY ITEM LOCATION: 8062.927300

NOTE:

Held as part of the International Fall fuels and lubricants meeting

DESCRIPTORS: fuel economy; fuels; lubricants; SAE; wear performance;

engine oils

10/5/10 (Item 1 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
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2084236 H.W. WILSON RECORD NUMBER: BAST00011090

**Thermodynamic considerations in the application of reverse mode  
gasification to the destruction of hazardous substances**

Larsen, David W; Washington, Michael D; Manahan, Stanley E  
Environmental Science & Technology v. 33 no17 (Sept. 1 1999) p. 2973-9  
DOCUMENT TYPE: Feature Article ISSN: 0013-936X LANGUAGE: English  
RECORD STATUS: Corrected or revised record

ABSTRACT: Previous studies by us have demonstrated the effectiveness of reverse mode gasification using a granular char matrix for treatment of hazardous wastes. Calculations pertaining to this gasification are presented, including a one-dimensional temperature profile and a thermodynamic analysis. Equilibrium compositions were calculated by free energy minimization using commercially available software. The calculated results were compared with experimental data for gasification of mixtures containing water, **selected** hydrocarbons, and used **motor oil**. Batch and continuous feed reactors were used with optimized operating parameters to generate the data. The dry gas product obtained from gasification of water and selected hydrocarbons contains carbon dioxide, carbon monoxide, methane, and hydrogen, in agreement with thermodynamic predictions, and the compositions agree well with predictions obtained assuming that chemical equilibrium is attained at a temperature of 650 [degree]C. The dry gas product from gasification of motor oil contains small amounts of low molecular weight hydrocarbons, which are not thermodynamically stable, but the composition of the major products generally agrees with the thermodynamic predictions. Under optimized conditions, the aqueous condensate contains between 1 and 100 ppm organics. Heat balance terms for the process were also calculated, and these demonstrate the efficiency of gasification as a treatment method. Copyright 1999, American Chemical Society.

DESCRIPTORS: Coal gasification; Hazardous substances--Thermal treatment;

10/5/11 (Item 2 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
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1689117 H.W. WILSON RECORD NUMBER: BAST98038812

**RULER T M and used engine oil analysis programs**

Jefferies, Adrian; Ameye, Jo  
Lubrication Engineering v. 54 no5 (May '98) p. 29-34  
DOCUMENT TYPE: Feature Article ISSN: 0024-7154 LANGUAGE: English  
RECORD STATUS: Corrected or revised record

ABSTRACT: This paper presented the results of research to evaluate the Remaining Useful Life Evaluation Routine (RULER[trademark]) for engine oils. The RULER[trademark] studied in this paper is based on a voltammetric method. The remaining useful life (RUL) is the length of engine/equipment operating time from the time a lubricant is sampled until large changes in the lubricant properties occur, at which point the lubricant cannot function properly. The ability to predict the RUL of lubricants would broaden the information on the oil condition, allowing operators to reschedule oil changes and potentially provide cost benefits.



A series of samples from different equipment types/manufacturers, both engine and field trials, were analyzed using the instrument. The antioxidant capacity of each used **engine oil** was **determined** and compared to the new oil. The results showed that the antioxidant capacity depleted with time, but that the rate of depletion varied depending on operating conditions. The RULER[trademark] results were compared to other standard oxidation and physical tests, differential scanning calorimetry (DSC), Fourier transform infrared (FTIR), total acid number (TAN), total base number (TBN) and viscosity to determine any correlation between the techniques. It was also found that different oils gave characteristic RULER[trademark] traces, which could be used to identify erroneous topups, or mislabeling of samples. Reprinted by permission of the publisher.

DESCRIPTORS: Lubricating oils--Analysis; Product life cycle; Internal combustion engines--Lubrication;

10/5/12 (Item 3 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
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1337974 H.W. WILSON RECORD NUMBER: BAST96032149

**On-site laser probe for the detection of petroleum products in water and soil**

Schade, Wolfgang; Bubnitz, Jens

Environmental Science & Technology v. 30 (May '96) p. 1451-8

DOCUMENT TYPE: Feature Article ISSN: 0013-936X LANGUAGE: English

RECORD STATUS: Corrected or revised record

ABSTRACT: Time-resolved laser-induced fluorescence spectroscopy and fiber optics are shown to be promising tools for the detection of environmental pollutants in water and soil. Time-integrated data accumulation of fluorescence intensities in an "early" and in a "late" time window with respect to the excitation pulse simplifies the method in such a way that it becomes very attractive for practical applications. Results from field measurements are reported while on-line oil concentrations in an industrial oil separator are monitored for process control. For UV laser excitation at 337 nm and recording LIF signals at 400 nm, typical detection limits of the present setup are 0.5 mg of engine oil/L in water and 5 mg of **engine oil** /kg in soil. The **selectivity** of the method can be improved significantly when a multiwavelength laser excitation in the ultraviolet spectral range between 240 and 360 nm is applied. Thus, a separation between different classes of aromatic components in petroleum products is possible. Copyright 1996, American Chemical Society.

DESCRIPTORS: Time resolved spectroscopy; Laser induced fluorescence; Petroleum products--Spectra;

10/5/13 (Item 1 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)  
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09200089

Castrol's big BMW boost

UK: BURMAH CASTROL TO SUPPLY OIL TO BMW CARS  
The Times (TS) 23 Nov 1999 p.29  
Language: ENGLISH

Burmah Castrol has signed a partnership deal with BMW to boost sales of its Castrol GTX **engine oil** . BMW will nominate Castrol as **recommended**

**engine oil** and agreed to outsource the business to Burmah. Around 1.2mn BMW and Rover cars will leave production plants using Castrol lubricants.

COMPANY: ROVER; BMW; BURMAH CASTROL

PRODUCT: Refined Oil Products (2911RO); Lube Oil & Greases (2992);  
EVENT: Company Formation (14); Marketing Procedures (24);  
COUNTRY: United Kingdom (4UK);

10/5/14 (Item 2 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06424344

Gas Station Agreement

RUSSIA: PETROL STATION DEAL FOR LUKOIL, AVTOVAZ  
The Moscow Times (ZTE) 25 Jan 1997 p.12  
Language: ENGLISH

The Russian oil giant LUKoil and the passenger car plant AvtoVAZ have agreed on petrol stations. AvtoVAZ has agreed to use and **recommend** LUKoil's petrol and **motor oils** and petrol stations for its cars. For LUKoil this means access to 60-70% of Russia's motor oils market. \*

COMPANY: AVTOVAZ; LUKOIL

PRODUCT: Garages & Filling Stations (5541); Fuel & Ice Dealers (5980);  
Cars (3711CA); Motor Vehicles & Parts (3710);  
EVENT: Company Formation (14);  
COUNTRY: Russia (6USSRU);

10/5/15 (Item 3 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)  
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05924114

BP introduces new high performance syntheticoil

MALAYSIA: NEW SYNTHETIC OIL FROM BP  
Business Times Malaysia (XAR) 25 Dec 1993 p.17  
Language: ENGLISH

BP Malaysia announces the availability of a new synthetic oil named BP Visco 5000 in the local motor lubricants market. In conjunction with the launch of the new product, BP is offering a promotional package priced at RM 89.90 per 4 x 1-litre combo pack up to 31 March 1994 or while stocks last. Meanwhile, the **suggested** retail price for the **motor oil** is RM 23.80 per 1-litre pack or RM 89.90 per 4 x 1-litre combo pack.

COMPANY: BP MALAYSIA

PRODUCT: Refined Oil Products (2911RO); Lube Oil & Greases (2992);  
EVENT: Marketing Procedures (24);  
COUNTRY: Malaysia (9MAO);

10/5/16 (Item 4 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)  
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01308217

CONOCO CHOOSES NEW MOTOR OIL PACKAGING

US - CONOCO CHOOSES NEW MOTOR OIL PACKAGING

Packaging (USA) (PG) 0 September 1987 p36

ISSN: 0746-3820

Conoco is now packaging its motor oil range in HDPE bottles featuring easy-open funnel top. There is also a foil seal feature and a resealable cap.\*

PRODUCT: Paperboard Containers (2650); Plastic Containers (3074); Metal Cans & Shipping Containers (3410);

EVENT: MARKETING PROCEDURES (24);

COUNTRY: United States (1USA); NATO Countries (420); South East Asia

Treaty Organisation (913);

?

14/5/1 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01506975 ORDER NO: AAD13-79102

**CONTINUOUS PURIFICATION OF OIL CONTAMINATED WATER USING DISPERSED AIR FLOTATION**

Author: CHOI, JEONGYOON  
Degree: M.E.  
Year: 1996  
Corporate Source/Institution: THE COOPER UNION FOR THE ADVANCEMENT OF  
SCIENCE AND ART (0057)  
Adviser: ZIKRI AHMED  
Source: VOLUME 34/05 of MASTERS ABSTRACTS.  
PAGE 1999. 149 PAGES  
Descriptors: ENGINEERING, CHEMICAL  
Descriptor Codes: 0542; 0775

Continuous purification of oil contaminated water is investigated. Castrol GTX 10W30 motor oil is used to create an oil-water emulsion. Dispersed air flotation is used as the means for separating the oil particles from the emulsified liquid. In this study, optimum operating conditions found in the batch process were applied to the continuous process.

Several feed concentrations of oil emulsified waters are investigated. Feedstock of five percent oil gave the maximum rate of separation. Five, ten and twenty micron nylon membranes were also tested and the five micron membrane is found to generate the highest oil removal rate. This result coincides with the theoretical prediction that the separation rate increases when the bubble size decreases. The optimum residence time is determined to be 30 minutes for the batch process and based on this value, the optimum flow rate for the continuous process is calculated to be 31.45 ml/min.

As predicted, the continuous process has longer residence time and lower flow rate compared to the batch process. Since the inlet and outlet flow in the continuous process disturbs the bubble stream, lowering the separation efficiency, a lower bottom flow rate of 20 ml/min is found to be the optimum flow rate. The inlet flow is the same or slightly higher than the bottom product flow rate.

The effect of the coagulant is tested with Cat-Floc 8964, a liquid cationic polymer. The separation rate significantly increased when the surfactant is added. The separation rate achieved a 97.12% efficiency while the maximum separation without the coagulant only achieved a 62.28% efficiency.

14/5/2 (Item 1 from file: 65)  
DIALOG(R)File 65:Inside Conferences  
(c) 2004 BLDSC all rts. reserv. All rts. reserv.

03467130 INSIDE CONFERENCE ITEM ID: CN036566383

**Diesel engine oil formulation -impact of future engine design trends**

Mainwaring, R.  
CONFERENCE: Automotive lubricants: recent advances and future developments  
IMECHE -PUBLICATIONS-S, 1998; S606 P: 4  
London, Institution of Mechanical Engineers, 1998  
LANGUAGE: English DOCUMENT TYPE: Conference Papers  
CONFERENCE SPONSOR: Institution of Mechanical Engineers  
CONFERENCE LOCATION: London  
CONFERENCE DATE: Oct 1998 (199810) (199810)

BRITISH LIBRARY ITEM LOCATION: 4369.215000  
DESCRIPTORS: automotive lubricants; IMechE; lubricants; mechanical  
engineers; tribology

14/5/3 (Item 2 from file: 65)

DIALOG(R)File 65:Inside Conferences  
(c) 2004 BLDSC all rts. reserv. All rts. reserv.

01985283 INSIDE CONFERENCE ITEM ID: CN020670915

**Life Cycle Design Criteria for Engine Oil Filters: AlliedSignal Case Study**

Keoleian, G. A.

CONFERENCE: Total life cycle: land, sea and air mobility-Conference  
SAE CONFERENCE PROCEEDINGS P, 1995; ISSUE 293 P: 109-120  
Warrendale, PA, Society of Automotive Engineers, 1995  
ISBN: 1560916745

LANGUAGE: English DOCUMENT TYPE: Conference Papers

CONFERENCE SPONSOR: Society of Automotive Engineers

CONFERENCE LOCATION: Vienna, Austria 1995 (199500) (199500)

BRITISH LIBRARY ITEM LOCATION: 8062.850000

NOTE:

Paper nos 95-1827 to 95-1872 with gaps

DESCRIPTORS: total life cycle; SAE; land mobility; air mobility; sea  
mobility

14/5/4 (Item 3 from file: 65)

DIALOG(R)File 65:Inside Conferences  
(c) 2004 BLDSC all rts. reserv. All rts. reserv.

01796155 INSIDE CONFERENCE ITEM ID: CN018486180

**Two Steps Ethanolysis of Castor Oil Using Sulfuric Acid As Catalyst to Produce Motor Oil**

Agra, I. B.; Warnijati, S.; Wiratni

CONFERENCE: World renewable energy congress-4th  
P: 1025-1028

Pergamon, 1996

LANGUAGE: English DOCUMENT TYPE: Conference Selected papers

CONFERENCE EDITOR(S): Saying, A. A. M.

CONFERENCE SPONSOR: World Renewable Energy Network

CONFERENCE LOCATION: Denver, CO

CONFERENCE DATE: Jun 1996 (199606) (199606)

BRITISH LIBRARY ITEM LOCATION: 97/01098 Renewable

NOTE:

See also 7364.187 vol 8 nos 1-4 vol 9 nos 1-4 1996 and vol 10 nos 2-3  
1997 for selected papers

DESCRIPTORS: renewable energy; WREC; energy efficiency; environment

14/5/5 (Item 4 from file: 65)

DIALOG(R)File 65:Inside Conferences  
(c) 2004 BLDSC all rts. reserv. All rts. reserv.

00712416 INSIDE CONFERENCE ITEM ID: CN006943056

**Analysis and Design of a Fibre Glass Engine Oil Sump Using Ply Failure Index Criterion**

Ali, R.

CONFERENCE: New and alternative materials for the transportation industries Automotive technology and automation-27th International symposium

ISATA -PROCEEDINGS-, 1994; VOL 6 P: 191-198

Automotive Automation Limited, 1994

ISBN: 0947719679

LANGUAGE: English DOCUMENT TYPE: Conference Papers

CONFERENCE SPONSOR: ENEA Agency: Italy

CONFERENCE LOCATION: Aachen, Germany

CONFERENCE DATE: Oct 1994 (199410) (199410)

BRITISH LIBRARY ITEM LOCATION: 4582.730000

NOTE:

In 9 vols; Also known as the 27th ISATA

DESCRIPTORS: automotive technology; automation; ISATA; ENEA

14/5/6 (Item 5 from file: 65)

DIALOG(R)File 65:Inside Conferences

(c) 2004 BLDSC all rts. reserv. All rts. reserv.

00582398 INSIDE CONFERENCE ITEM ID: CN005652560

**Upgrading the Quality of Engine Oils Through Enhanced Design of Combustion Engines**

Medjibovsky, A. S.; Ksenevitch, I. P.

CONFERENCE: Fuels and lubricants-Meeting

PAPERS- SOCIETY OF AUTOMOTIVE ENGINEERS NEW YORK, 1994; ISSUE 941941 P:

ALL

ISSN: 0148-7191

LANGUAGE: English DOCUMENT TYPE: Conference Separate papers

CONFERENCE SPONSOR: SAE

CONFERENCE LOCATION: Baltimore, MD

CONFERENCE DATE: Oct 1994 (199410) (199410)

BRITISH LIBRARY ITEM LOCATION: 6392.350000

NOTE:

Separate paper nos 941900 - 942191 with gaps held only

DESCRIPTORS: fuels; lubricants; SAE

14/5/7 (Item 1 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

(c) 2004 The HW Wilson Co. All rts. reserv.

2269408 H.W. WILSON RECORD NUMBER: BAST00065413

**Is it time for a true off-highway engine oil?**

Engineering and Mining Journal v. 201 no9 (Sept. 2000) p. 134-5

DOCUMENT TYPE: Feature Article ISSN: 0095-8948 LANGUAGE: English

RECORD STATUS: Corrected or revised record

ABSTRACT: The need to introduce specifications for a true off-highway engine oil is discussed. The current specification of the American Petroleum Institute service category CH-4, and all previous specifications, were tailored to on-highway needs. New and planned specifications will involve major changes to meet environmental requirements for on-highway vehicles, yet these requirements do not apply to the specific needs of the mining or construction industry. The buying power of off-highway equipment users should push the engine manufacturers and other key players into forming an active committee for **designing** specifications for an off-highway **engine oil**.

DESCRIPTORS: Mine equipment; Diesel engines--Exhaust; All terrain vehicles  
--Environmental aspects;

14/5/8 (Item 2 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
(c) 2004 The HW Wilson Co. All rts. reserv.

2176707 H.W. WILSON RECORD NUMBER: BAST00062447

**Coke formation from aircraft engine oils: part II--effects of oil  
formulation and surface composition**

Kauffman, Robert E; Feng, Amy S; Karasek, Keith R  
Tribology Transactions v. 43 no4 (Oct. 2000) p. 677-80  
DOCUMENT TYPE: Feature Article ISSN: 1040-2004 LANGUAGE: English  
RECORD STATUS: Corrected or revised record

ABSTRACT: A study of how aircraft engine oil degrades to produce coke on oil-wetted surfaces is presented. The impacts of additives and surface materials on the oil coking process are considered. The result suggest that oil choice, which is principally a choice of antioxidant package, influences how long oil can stay on a hot surface without forming polymer/coke deposits.

DESCRIPTORS: Gas turbines--Lubrication; Lubricating oils--Oxidation;  
Antioxidants; Lubricating oils;

14/5/9 (Item 3 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
(c) 2004 The HW Wilson Co. All rts. reserv.

1992703 H.W. WILSON RECORD NUMBER: BAST93044186

**Indy 500 "race wastes" turned into energy**

Journal of Environmental Health v. 56 (July/Aug. 1993) p. 42  
DOCUMENT TYPE: Feature Article ISSN: 0022-0892 LANGUAGE: English  
RECORD STATUS: Corrected or revised record

ABSTRACT: Texaco's Alternate Energy group, with the support of the Goodyear Tire and Rubber Company, is to demonstrate its recycling technology by converting used race tires and used motor oil produced by race cars at the 1993 Indianapolis 500 into clean-burning gas. The Texaco gasification process can change all forms of carbonaceous material into clean synthesis gas for generating electricity and other industrial purposes. .

DESCRIPTORS: Rubber tires--Recycling; Oil reclamation;

14/5/10 (Item 4 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
(c) 2004 The HW Wilson Co. All rts. reserv.

1343094 H.W. WILSON RECORD NUMBER: BAST96044409

**Airplane-engine wear bubbles up**

Valenti, Michael;  
Mechanical Engineering v. 118 (July '96) p. 10+  
DOCUMENT TYPE: Feature Article ISSN: 0025-6501 LANGUAGE: English  
RECORD STATUS: New record

ABSTRACT: A technique for detecting aircraft-engine wear designed at Duke

University in Durham, North Carolina, is reported to be safer and more accurate than traditional diagnostic methods. In this approach, ultrasound is used to **produce** bubbles in **engine** oil spiked with copper. The bubbles are then collapsed by a gold-plated electrode. The resulting impact on the copper, whose presence under normal conditions would indicate internal engine wear, allows the oil to be examined for copper particles without the need to dismantle the engine. Researchers believe that this sonication approach has uses with other metals as well.

DESCRIPTORS: Sonochemistry; Airplane engines--Testing;

14/5/11 (Item 1 from file: 583)

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09404637

Prista to **produce** Texaco motor oil next year

BULGARIA: PRISTA OIL BETS ON TEXACO BRAND

New Europe (YVX) 12-18 Nov 2000 p.38

Language: ENGLISH

Prista Oil of Bulgaria plans to take up the production of Texaco motor oils in 2001. The Texaco brand is expected to boost sales by 10% in 2001. Texaco Inc, the US oil group, has a 25% holding in Bulgaria's number one lubricants producer. The domestic market share of Prista Oil is expected to rise from between 60% and 65% at present to 70% in the next year. Prista Oil also aims to increase sales revenues from the Lv 54mn targeted in 2000 to Lv 65mn in 2001. In addition to the neighbouring Balkan countries, Turkey and new Yugoslavia will be targeted as export markets. In the first three quarters of 2000, Prista Oil has increased sales of motor and industrial oils from around 20,000 t to more than 22,600 t. In addition to lubricants, Prista Oil also produces car batteries. The MONBAT division has opened a new plant in Yugoslavia with an assembling capacity of 100,000 batteries per year.

COMPANY: TEXACO; MONBAT; PRISTA OIL

PRODUCT: Refined Oil Products (2911RO); Lube Oil & Greases (2992); Batteries (3690BA);

EVENT: Plant/Facilities/Equipment (44); Planning & Information (22); Company Reports & Accounts (83);

COUNTRY: Yugoslavia (6YUG); Bulgaria (6BUL); United States (1USA);

14/5/12 (Item 2 from file: 583)

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09121722

Valvoline panostaa VenUjUn markkinoinhin

FINLAND: VALVOLINE CO ACQUIRED VALVOLINE FINLAND

EtelU-Saimaa (ZGG) 16 Jun 1999 p.11

Language: FINNISH

American **motor** oil **producer** The Valvoline Company has acquired Valvoline Finland. The acquisition strengthens the group's position in the Nordic countries and enables strong expansion on the Russian markets. Valvoline Finland will be the 12th European subsidiary of the group.

COMPANY: VALVOLINE



PRODUCT: Refined Oil Products (2911RO); Lube Oil & Greases (2992);  
EVENT: Capital Expenditure (43); Plant & Equipment Sales (66); Companies  
Activities (10); Company Acquisitions (16);  
COUNTRY: Finland (5FIN); Russia (6USSRU); United States (1USA);

14/5/13 (Item 3 from file: 583)

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06578525

Maslo i igrushky - dve veshchi nesovmestimye  
RUSSIA: KAZAN FACTORY TO BOTTLE MOTOR OIL SHELL  
Komsomolskaya pravda (ESK) 31 Jan 1998 p.3  
Language: RUSSIAN

The Russian Kazan-based toys making factory will bottle Shell motor oil into domestically produced packaging. The project will be implemented within the frames of an agreement with the Russian oil company LUKoil. LUKoil purchased a production line for packaging from the Shell plant, located in Portugal. \*

COMPANY: LUKOIL; SHELL

PRODUCT: Refined Oil Products (2911RO); Lube Oil & Greases (2992);  
EVENT: Companies Activities (10);  
COUNTRY: Russia (6USSRU);

14/5/14 (Item 4 from file: 583)

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06386190

Lubricant venture  
CHINA: EXXON IN LUBRICANT VENTURE IN JINZHOU  
China Daily (XKP) 31 Oct 1996 p.5  
Language: ENGLISH

China's Sinopec Jinzhou Petrochemical Co and US-based Exxon Chemical International Services have launched a lubricant joint-venture, Jinzhou Jinex Lubricant Additives Co Ltd in the north-eastern city of Jinzhou. The plant is China's largest producer of additives of motor oils. \*

COMPANY: JINZHOU JINEX LUBRICANT ADDITIVES; EXXON CHEMICAL INTL SERVICES;  
SINOPEC JINZHOU PETROCHEMICAL

EVENT: Company Formation (14); Capital Expenditure (43);  
COUNTRY: China (9CHN); United States (1USA);

1 14/5/15 (Item 5 from file: 583)

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06362451

Amerikanskoe maslo iz uzbekskoi nefti  
UZBEKISTAN/US: TEXACO MOTOR OILS TO BE PRODUCED  
Delovoi Mir (ZEI) 4 September 1996 p.2  
Language: RUSSIAN

A state oil and gas company Uzneftegaz has signed an agreement with a US-based oil company Texaco. According to this agreement, a motor oil production will be based in Uzbekistan in the near future. The US technologies will be used in the future production. The finished products will be distributed in Uzbekistan and in other neighbouring Asian countries. \*

COMPANY: UZNEFTEGAZ; TEXACO

PRODUCT: Refined Oil Products (2911RO); Lube Oil & Greases (2992);  
EVENT: Capital Expenditure (43); Plant & Equipment Sales (66); Company Formation (12); Company Formation (14);  
COUNTRY: USSR (6USS); United States (1USA);

14/5/16 (Item 6 from file: 583)

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06359917

LUKOil i Pennzoil

RUSSIA: LUKOIL AND PENNZOIL INTO MOTOR OILS  
Kommersant-Daily (XFL) 29 Aug 1996 p.1  
Language: RUSSIAN

Russian oil firm LUKoil and US-based Pennzoil have signed a memorandum for co-operation. The two firms will establish a joint venture to produce and market motor oils. The companies will bring together Pennzoil's components and oils sold in Russia by LUKoil. The projected joint venture will also operate oil change service at LUKoil's petrol stations in Russia.

COMPANY: PENNZOIL; LUKOIL

PRODUCT: Oil Products (2911); Garages & Filling Stations (5541); Fuel & Ice Dealers (5980);  
EVENT: Company Formation (14); Company Formation (12);  
COUNTRY: Russia (6USSRU); United States (1USA);

14/5/17 (Item 7 from file: 583)

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06213722

IBP Caltex to set up LPG facility on West coast

INDIA: LPG FACILITY PROJECT BY CALTEX  
Financial Express (XAG) 27 Sep 1995 P.17  
Language: ENGLISH

IBP Caltex Limited has identified the North Western region in India to set up the LPG <liquefied petroleum gas> terminalling facility. The project expected to complete in 18 months. Meanwhile, the joint venture company between IBP Company Limited and Caltex Petroleum Corporation of the US is planning to set up a manufacturing plant in West Bengal and parallel blending plants in Delhi and Bombay to produce engine oil and diesel oil in India. In the next 5 years, Caltex would invest US\$ 8 bn in India, Indonesia and China.

COMPANY: CALTEX PETROLEUM; IBP COMPANY; IBP CALTEX

PRODUCT: Liquefied Petroleum Gas (1321LP); Refined Oil Products (2911RO);

Lube Oil & Greases (2992); Crude Oil (1311); Oil (2910);  
EVENT: Capital Expenditure (43);  
COUNTRY: India (9IND); United States (1USA);

14/5/18 (Item 8 from file: 583)

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06093120

Importnye masla prishlis po vkusu chelyabintsam

RUSSIA: SHELL OILS COMPETE WITH MOBIL AND BP  
Kommersant-Daily (XFL) 15 Dec 1994 p.11  
Language: RUSSIAN

Shell motor and lubricant oils, produced in Finland and Belgium will put up a tough competition in Chelyabinsk region, Russia, where Mobil and British Petroleum have already divided the market. However, the Finnish and Belgian produced oils will also compete with the locally produced , at Permnefteorgsintez, Shell motor oils . Shell intends to keep the price of both the foreign and the locally produced oils at an equal level. But as the experts think, imported oil may drop in price and the locally produced ones become more expensive as the tax policy in Russia is of haphazard nature.

COMPANY: PERMNEFTEORGSIINTEZ; BRITISH PETROLEUM; MOBIL; SHELL

PRODUCT: Refined Oil Products (2911RO); Lube Oil & Greases (2992); Garages & Filling Stations (5541); Fuel & Ice Dealers (5980);  
EVENT: Planning & Information (22); Marketing Procedures (24);  
COUNTRY: Netherlands (4NET); Russia (6USSRU);

14/5/19 (Item 9 from file: 583)

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05986993

Esso to pump RM300m more into Jerneh well

MALAYSIA: ESSO INTRODUCES SYNTHETIC MOTOR OIL  
Business Times Malaysia (XAR) 7 May 1994 p.18  
Language: ENGLISH

On 6 May 1994, Esso launched a new, fully synthetic motor oil called Ultron. It is designed to meet the toughest demands of modern engines, to conform to the most stringent benchmarks in the oil industry, and is optimised for a wide range of climates. Esso Ultron is being introduced by Esso affiliates worldwide as the new flagship passenger car motor oil of Esso. It will be available to motorists at all participating Esso retail outlets throughout Malaysia, some franchised car workshops and other selected independent workshops from mid-May 1994. \*

COMPANY: ESSO

PRODUCT: Refined Oil Products (2911RO); Lube Oil & Greases (2992);  
COUNTRY: Malaysia (9MAO);

14/5/20 (Item 10 from file: 583)

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05672104

ECOHUILE VA PILOTER LE RECYCLAGE DES HUILES USAGEES

FRANCE - ECOHUILE TO RECYCLE USED MOTOR OIL

Echos (LE) 2 February 1993 p13

ISSN: 0153-4831

Language: French

Yves Pietrasanta, president of IFEN (French institute for environment) suggested, in a report to Environment minister Segolene Royale, a new organization of the oil recycling channels. As Eco-emballage has been created to collect and recycle packaging, Yves Pietrasanta suggests that Ecohuile is **created**. Ecohuile would finance **motor** oil collection thanks to a tax paid by distributors. Ecohuile would have the goal to recycle 70% of used motor oil by 1995, instead of 54% currently.\*\*

COMPANY: ECOHUILE

PRODUCT: Oil Products (2911); Oil (2910);

EVENT: CONSUMER ATTITUDES (42);

COUNTRY: France (4FRA); Northern Europe (414); OECD Europe (415); European Economic Community Countries (419); NATO Countries (420); South East Asia Treaty Organisation (913);

14/5/21 (Item 11 from file: 583)

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05352032

Aral testet Recycling von Kunststoff-Flaschen

GERMANY - ARAL PLANS TO TEST OIL BOTTLE RECYCLING

Frankfurter Allgemeine Zeitung (FA) 28 September 1992 p22

Language: German

Aral (Bochum, Germany), petrol station chain, plans to carry out test phase for recycling of used plastic oil containers. Aral plans to install containers in around 715 petrol stations. Metal packing will be cleaned and sent to waste disposal plants. The plastic-oil container will also be cleaned, shredded and recycled into reusable granulate, which will be used to **produce** new packaging. **Engine** oils will therefore soon be offered in bottles with 70% share of recycled materials. The procedure will help to save 500 t/y.\*\*

COMPANY: ARAL

PRODUCT: Metal Boxes & Containers (3410BC); Packaging for Liquids (Plastic Non-drinks) (3074LQ); Oil (2910); Recycling (4953RC);

EVENT: RECYCLING (42);

COUNTRY: Germany (4GER); OECD Europe (415); European Economic Community Countries (419); NATO Countries (420);

14/5/22 (Item 12 from file: 583)

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04336228

AMOCO OIL ADDITIVES BUSINESS TO BE ACQUIRED BY LUBRIZOL

US - AMOCO OIL ADDITIVES BUSINESS TO BE ACQUIRED BY LUBRIZOL

Chemical Marketing Reporter (CMR) 10 June 1991 p4

ISSN: 0900-0907

Amoco Chemical's petroleum additives business world wide, with headquarters in Clayton, MO, are to be acquired by Lubrizol, which has signed a letter of intent for the operation. Amoco is to supply Lubrizol with additives from its plant at Wood River, IL, following the acquisition. Amoco's additives business **produces** additives for **engine oils** and fuels.

PRODUCT: Fuel Additives (2869FA);  
EVENT: COMPANIES ACTIVITIES (10);  
COUNTRY: United States (1USA); NATO Countries (420); South East Asia  
Treaty Organisation (913);

14/5/23 (Item 13 from file: 583)

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03262534

QUAKER **CREATES** UNIT FOR **MOTOR OIL** OPERATIONS  
US - QUAKER **CREATES** UNIT FOR **MOTOR OIL** OPERATIONS  
Wall Street Journal Europe (WSJ) 29 January 1990 p4

Quaker State, for the overseeing of its **motor oil** operations, has **created** a unit. CA Conrad will be the chief operating officer and president of the parent company.

PRODUCT: Lube Oil & Greases (2992);  
EVENT: COMPANIES ACTIVITIES (10);  
COUNTRY: United States (1USA); NATO Countries (420); South East Asia  
Treaty Organisation (913);

14/5/24 (Item 14 from file: 583)

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02154235

METAL BOX SUPPLIES DRUM PACKAGING TO CASTROL  
UK - METAL BOX SUPPLIES DRUM PACKAGING TO CASTROL  
Packaging Week (PWK) 28 September 1988 p9  
ISSN: 0267-6117

Castrol is using a 25 lt tinplate drum from Metal Box for its RX Super and Turbomax **engine oils**. These are **designed** to stop water collecting on the top and to make the best use of pallet space.

PRODUCT: Paperboard Containers (2650); Metal Cans & Shipping Containers (3410); Metal Barrels & Drums (3412);  
EVENT: CONTRACTS & ORDERS (61);  
COUNTRY: United Kingdom (4UK); OECD Europe (415); NATO Countries (420);  
South East Asia Treaty Organisation (913);

14/5/25 (Item 15 from file: 583)

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01804414

QUAKER STATE RECEIVES TAKEOVER BID FROM ARDSHIEL

US - QUAKER STATE RECEIVES TAKEOVER BID FROM ARDSHIEL  
Wall Street Journal Europe (WSJ) 11 April 1988 p5

Quaker State, the second-largest US **producer** of **motor oil**, has received a USDlr675m takeover bid from an investor group led by Ardshiel Inc for the shares that it does not already own. Quaker State, which holds an 18% market share in the US motor oil industry, has been hit by competitive pressures, reporting a net loss in 1987 of USDlr481m. Operating profit fell to USDlr33m in 1987 from USDlr109.1m, with sales falling 8.5% to USDlr847.9m.

PRODUCT: Oil Products (2911);  
EVENT: COMPANIES ACTIVITIES (10);  
COUNTRY: United States (1USA); NATO Countries (420); South East Asia  
Treaty Organisation (913);

14/5/26 (Item 16 from file: 583)

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01418357

SAY INDUSTRIES CLOSES BLOW MOULDING PLANT  
US - SAY INDUSTRIES CLOSES BLOW MOULDING PLANT  
Oil Daily (ODY) 29 October 1987 p5

The Chicago plant of SAY Industries, where funnel top **motor oil** bottles are **produced**, is to be closed. The company is to instead concentrate on its desktop publishing business. However, it will increase production of its "elephant" bottle and will continue production of funnel top containers at other plants.\*

PRODUCT: Paperboard Containers (2650); Plastic Containers (3074); Metal  
Cans & Shipping Containers (3410);  
EVENT: COMPANIES ACTIVITIES (10);  
COUNTRY: United States (1USA); NATO Countries (420); South East Asia  
Treaty Organisation (913);

14/5/27 (Item 17 from file: 583)

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01290361

VALVOLINE INTRODUCES NEW OIL PACKAGING  
US - VALVOLINE INTRODUCES NEW OIL PACKAGING  
Oil Daily (ODY) 20 August 1987 p5

On 01/09/87, Valvoline launched its E-Z Showcase packaging, **designed** for the shipping of its **motor oil** range. The packaging is **designed** to be easy-open, and the box is a wraparound design with a perforation allowing part of two sides of the case to be removed.\*

PRODUCT: Corrugated & Solid Fibre Boxes (2653); Metal Nonfood Solids  
Packaging (3410NF);  
EVENT: PRODUCTS, PROCESSES & SERVICES (30);  
COUNTRY: United States (1USA); NATO Countries (420); South East Asia  
Treaty Organisation (913);

14/5/28 (Item 18 from file: 583)

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01040215

**LUBRICANT COMMITTEE EXTENDS CLASSIFICATION**

US - LUBRICANT COMMITTEE EXTENDS CLASSIFICATION  
Oil Daily (ODY) 16 April 1987 p5

The Lubricants sub committee of the American Petroleum Institute has accepted a CE diesel oil **designation** into its API **engine oil** service classification system. The committee regulate changing specifications in a move toward a standardised system.\*

PRODUCT: Lube Oil & Greases (2992);  
EVENT: GOVERNMENT REGULATIONS (93);  
COUNTRY: United States (1USA); NATO Countries (420); South East Asia  
Treaty Organisation (913);

**14/5/29 (Item 19 from file: 583)**

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00418345

**NEW DESIGN FOR OIL PACK**

UK - NEW DESIGN FOR OIL PACK  
Packaging Week (PWK) 23 July 1986 p3  
ISSN: 0267-6117

Gulf has introduced a new pack design from AJD **Design** for its "Multi GT" premium **motor oil** , for both the plastic bottle and gerrycan packs.(illustrated).\*

PRODUCT: Paperboard Containers (2650); Metal Cans & Shipping Containers (3410);  
EVENT: MARKETING PROCEDURES (24);  
COUNTRY: United Kingdom (4UK); OECD Europe (415); NATO Countries (420);  
South East Asia Treaty Organisation (913);

**14/5/30 (Item 1 from file: 474)**

DIALOG(R)File 474:New York Times Abs  
(c) 2004 The New York Times. All rts. reserv.

05567015 NYT Sequence Number: 000000891216

**AN ENGINE THAT ADJUSTS TO ALCOHOL-GASOLINE MIX**

ANDREWS, EDMUND L

New York Times, Col. 3, Pg. 36, Sec. 1

Saturday December 16 1989

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

**ABSTRACT:**

Atlantic Richfield researchers patent internal combustion engine that automatically adjusts compression ratio for any mixture of alcohol- and gasoline-based fuels(S)

COMPANY NAMES: ATLANTIC RICHFIELD CO (ARCO)

DESCRIPTORS: AUTOMOBILES; ENERGY AND POWER; NEW MODELS, **DESIGN** AND  
PRODUCTS; INVENTIONS AND INVENTORS; **ENGINES** ; **OIL (PETROLEUM)** AND

**GASOLINE ; ALCOHOL**  
PERSONAL NAMES: ANDREWS, EDMUND L

**14/5/31 (Item 2 from file: 474)**  
DIALOG(R)File 474:New York Times Abs  
(c) 2004 The New York Times. All rts. reserv.

00754591 NYT Sequence Number: 025369770604  
**(Rohm & Haas to build plant, Houston, to produce new line of motor oil additives (S).)**

New York Times, Col. 2, Pg. 27

Saturday June 4 1977

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

COMPANY NAMES: ROHM & HAAS CO  
DESCRIPTORS: CAPITAL INVESTMENT; OIL (PETROLEUM) AND GASOLINE  
GEOGRAPHIC NAMES: HOUSTON (TEX); UNITED STATES

**14/5/32 (Item 3 from file: 474)**  
DIALOG(R)File 474:New York Times Abs  
(c) 2004 The New York Times. All rts. reserv.

00195336 NYT Sequence Number: 049079710614  
**(STP pres A Granatelli says that Consumer Repts charge is untrue and distorted; says STP is designed to keep engine oil thick in hot weather)**

Associated Press

New York Times, Col. 1, Pg. 13

Monday June 14 1971

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

COMPANY NAMES: CONSUMER REPORTS (PUB); STP CORP  
DESCRIPTORS: AUTOMOBILES; ENGINES; GUARANTEES AND WARRANTIES; OIL (PETROLEUM) AND GASOLINE  
PERSONAL NAMES: GRANATELLI, ANDY

**14/5/33 (Item 1 from file: 475)**  
DIALOG(R)File 475:Wall Street Journal Abs  
(c) 2004 The New York Times. All rts. reserv.

05255812  
**QUAKER STATE RECEIVES OFFER OF \$675 MILLION**

WARTZMAN, RICK

Wall Street Journal, Col. 1, Pg. 4, Sec. 1

Monday April 11 1988

DOCUMENT TYPE: Newspaper JOURNAL CODE: WSJ LANGUAGE: English

RECORD TYPE: Abstract

**ABSTRACT:**

Quaker State Corp receives takeover bid from investor group led by Ardshiel Inc, which proposes to pay \$26.50 share for shares it doesn't own of second-largest US producer of motor oil (M)

COMPANY NAMES: QUAKER STATE CORP; ARDSHIEL INC  
DESCRIPTORS: MERGERS, ACQUISITIONS AND DIVESTITURES



15/5/1 (Item 1 from file: 65)  
DIALOG(R) File 65: Inside Conferences  
(c) 2004 BLDSC all rts. reserv. All rts. reserv.

03504766 INSIDE CONFERENCE ITEM ID: CN036942745  
DEVELOPING GF-3 THE NEXT AUTOMOBILE ENGINE OIL PERFORMANCE  
SPECIFICATION

Fernandez, F.; Smith, L.; Tucker, R.; Barth, G.; Birke, A.; Black, E. D.  
; Buscher, W. A.; Florkowski, D.; Goldblatt, I. ; McCollum, C.  
CONFERENCE: National lubricants and waxes meeting  
NATIONAL PETROCHEMICAL AND REFINERS ASSOCIATION -PUBLICATIONS-ALL SERIES  
, 1999; 1999; LW-99-127 P: ALL  
NPRA, 1999

LANGUAGE: English DOCUMENT TYPE: Conference Separate paper  
CONFERENCE SPONSOR: National Petrochemical and Refiners Association  
CONFERENCE LOCATION: Houston, TX  
CONFERENCE DATE: Nov 1999 (199911) (199911)

BRITISH LIBRARY ITEM LOCATION: 6028.800000

NOTE:

nos held LW-99-121 to LW-99-136 with gaps

DESCRIPTORS: lubricants; waxes; NPRA; petrochemical; refiners

File 344:Chinese Patents Abs Aug 1985-2004/May  
          (c) 2004 European Patent Office  
 File 347:JAPIO Nov 1976-2004/Jul(Updated 041102)  
          (c) 2004 JPO & JAPIO  
 File 350:Derwent WPIX 1963-2004/UD,UM &UP=200476  
          (c) 2004 Thomson Derwent  
 File 348:EUROPEAN PATENTS 1978-2004/Nov W03  
          (c) 2004 European Patent Office  
 File 349:PCT FULLTEXT 1979-2002/UB=20041125,UT=20041118  
          (c) 2004 WIPO/Univentio  
 File 331:Derwent WPI First View     UD=200476  
          (c) 2004 Thomson Derwent  
 File 371:French Patents 1961-2002/BOPI 200209  
          (c) 2002 INPI. All rts. reserv.

Set	Items	Description
S1	13206	(MOTOR OR ENGINE? ?) ()OIL? ?
S2	260	S1(5N) (DESIGN? OR CUSTOMI? OR CREAT? OR PRODUCE? OR DEVELO- P?)
S3	431	S1(5N) (SELECT? OR CHOOS? OR DETERMIN? OR RECOMMEND? OR SUG- GEST?)
S4	0	(WEBSITE? OR WEBPAGE? OR WEB() (SITE? OR PAGE? OR INTERNET)- ) (5N)CASTROL?
S5	4130	AU=(MCHENRY, M? OR MCHENRY M? OR GOLDBLATT, I? OR GOLDGLATT I? OR SEYMOUR, C? OR SEYMOUR C? OR BROWN, M? OR BROWN M? OR - SMITH, A? OR SMITH A?)
S6	0	(S2 OR S3) (8N) (WEBSITE? OR WEBPAGE? OR WEB() (SITE? OR PAGE? OR INTERNET))
S7	1	S1(8N) (WEBSITE? OR WEBPAGE? OR WEB() (SITE? OR PAGE? OR INT- ERNET))
S8	661	S2 OR S3
S9	24	S8 AND IC=G06F
S10	24	S9 NOT S7
S11	0	S5(5N)S8

7/3,K/1 (Item 1 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00769509 \*\*Image available\*\*

**AUCTION CONDUCTED OVER A COMPUTER NETWORK  
CONDUITE D'ENCHERES SUR UN RESEAU INFORMATIQUE**

Patent Applicant/Assignee:

BIDLAND COM INC, 3990 Ruffin Road, 2nd Floor, San Diego, CA 92123, US, US  
(Residence), US (Nationality)

Inventor(s):

BADHAM Vernon, 7790 Norcanyon Way, San Diego, CA 92126, US  
BOOTH Vicki, 8141 Beaver Lake Drive, San Diego, CA 92119-2601, US  
LOWREY Larkin, 7371 Rue Michael, La Jolla, CA 92037, US

Legal Representative:

WOYCECHOWSKY David B, Luce, Forward, Hamilton & Scripps LLP, Suite 2600,  
600 West Broadway, San Diego, CA 92101, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200103045 A1 20010111 (WO 0103045)  
Application: WO 2000US18518 20000706 (PCT/WO US0018518)  
Priority Application: US 99142623 19990706

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA  
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA  
UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7768

Fulltext Availability:

Detailed Description

Detailed Description

... and auctions automobiles, they may find it synergistic and  
remunerative to allow a manufacturer of **motor oil** advertise on their  
auction **web page** in exchange for a payment. In theory, Auction, Inc.,  
could provide a mechanism for doing...

?

10/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

016241273 \*\*Image available\*\*  
WPI Acc No: 2004-399166/200437  
XRPX Acc No: N04-318195

Engine oil degradation determining system for internal combustion engine has correcting unit which corrects degradation level parameter indicating low degradation level when detected oil level is equal to or higher than highest value

Patent Assignee: HONDA MOTOR CO LTD (HOND )  
Inventor: ARAI T; HASHIMOTO H  
Number of Countries: 003 Number of Patents: 003  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040093150	A1	20040513	US 2003692000	A	20031024	200437 B
DE 1020350692	A1	20040527	DE 12003050692	A	20031030	200437
JP 2004150375	A	20040527	JP 2002317906	A	20021031	200441

Priority Applications (No Type Date): JP 2002317906 A 20021031

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20040093150	A1	27	G06F-017/00	
DE 1020350692	A1		F01M-011/10	
JP 2004150375	A	18	F01M-011/10	

Engine oil degradation determining system for internal combustion engine has correcting unit which corrects degradation level parameter indicating low...

Abstract (Basic):

... a) Engine oil degradation determining method; and...

...Can accurately detect whether or not the engine oil has been replenished, thus enhanced determination process accuracy...

...The figure is a schematic block diagram showing the arrangement of an engine oil degradation determining system...

...International Patent Class (Main): G06F-017/00

10/3,K/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

015668429 \*\*Image available\*\*  
WPI Acc No: 2003-730616/200369  
XRPX Acc No: N03-583987

Aircraft engine maintenance algorithm contains instructions to perform manufacturer recommended maintenance along with engine oil and debris analysis, checking of engine and dampening vibrations, frequently

Patent Assignee: BANGERT B (BANG-I); HAWKINS R (HAWK-I)  
Inventor: BANGERT B; HAWKINS R  
Number of Countries: 001 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030135310	A1	20030717	US 2000603760	A	20000622	200369 B
			US 2003346844	A	20030115	
US 6643570	B2	20031104	US 2000603760	A	20000622	200374
			US 2003346844	A	20030115	

Priority Applications (No Type Date): US 2000603760 A 20000622; US  
2003346844 A 20030115

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030135310	A1		6	G06F-019/00	Div ex application US 2000603760
US 6643570	B2			G06F-007/00	Div ex application US 2000603760

**Aircraft engine maintenance algorithm contains instructions to perform manufacturer recommended maintenance along with engine oil and debris analysis, checking of engine and dampening vibrations, frequently**

Abstract (Basic):

... The aircraft maintenance algorithm contains instructions for performing manufacturer **recommended** maintenance along with spectrometric **engine oil** analysis, engine oil debris analysis, checking of engine and dampening vibrations, more frequently than the

International Patent Class (Main): G06F-007/00 ...

... G06F-019/00

10/3,K/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

015194896 \*\*Image available\*\*

WPI Acc No: 2003-255432/200325

XRPX Acc No: N03-202591

**Vehicle engine oil level measurement method involves determining whether vehicle is being fueled by determining whether vehicle fuel tank flap is opened**

Patent Assignee: BERNDORFER A H (BERN-I)

Inventor: BERNDORFER A H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020177960	A1	20021128	US 2001864968	A	20010524	200325 B

Priority Applications (No Type Date): US 2001864968 A 20010524

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020177960	A1		6	G01L-007/00	

**Vehicle engine oil level measurement method involves determining whether vehicle is being fueled by determining whether vehicle fuel tank flap is opened**

...International Patent Class (Additional): G06F-019/00

10/3,K/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

014891189 \*\*Image available\*\*

WPI Acc No: 2002-711895/200277

XRPX Acc No: N02-561467

**Engine oil degradation detector has estimation unit which processes estimated engine oil temperature based on temperature of engine cooling water, and switches opening and closing of control valve**

Patent Assignee: HONDA MOTOR CO LTD (HOND ); HONDA GIKEN KOGYO KK (HOND )

Inventor: HASHIMOTO H; KUBO H

Number of Countries: 002 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6449538	B1	20020910	US 200284927	A	20020301	200277 B
US 20020133274	A1	20020919	US 200284927	A	20020301	200277
JP 2002276326	A	20020925	JP 200177597	A	20010319	200278
JP 3448772	B2	20030922	JP 200177597	A	20010319	200363

Priority Applications (No Type Date): JP 200177597 A 20010319

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6449538	B1	18		F01M-011/00	
US 20020133274	A1			G06F-019/00	
JP 2002276326	A	12		F01M-011/10	
JP 3448772	B2	12		F01M-011/10	Previous Publ. patent JP 2002276326

Abstract (Basic):

... The **engine oil** degradation detector **determines** the use level of an **engine oil** based on the estimated engine oil temperature. The change of the **engine oil** is **determined** when the use level of the engine oil reaches a certain value. An estimation unit

...International Patent Class (Main): G06F-019/00

10/3,K/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

014789192 \*\*Image available\*\*

WPI Acc No: 2002-609898/200266

XRPX Acc No: N02-482955

**Method for accurate determination of engine oil level in a motor vehicle, in which a correction is made for vehicle inclination based on engine loading, which is greater going up an incline than coming down**

Patent Assignee: DAIMLERCHRYSLER AG (DAIM ); GUERTLER T (GUER-I); HELLWIG H (HELL-I); LAND K (LAND-I); OTT H (OTTH-I); RIEDEL M (RIED-I)

Inventor: GUERTLER T; HELLWIG H; LAND K; OTT H; RIEDEL M

Number of Countries: 022 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 10105889	A1	20020814	DE 10105889	A	20010209	200266 B
WO 200265065	A1	20020822	WO 2001EP15294	A	20011222	200266
EP 1364189	A1	20031126	EP 2001988073	A	20011222	200380
			WO 2001EP15294	A	20011222	
US 20040122603	A1	20040624	WO 2001EP15294	A	20011222	200442
			US 2004467526	A	20040203	
JP 2004527681	W	20040909	WO 2001EP15294	A	20011222	200459
			JP 2002564337	A	20011222	

Priority Applications (No Type Date): DE 10105889 A 20010209

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 10105889	A1	5		G01F-023/00	
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WO 200265065	A1	G		G01F-023/00	
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Designated States (National): JP US

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

EP 1364189	A1	G		G01F-023/00	Based on patent WO 200265065
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Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI

Search Performed by Sylvia Keys 02-Dec-04

LU MC NL PT SE TR  
US 20040122603 A1 G06F-019/00  
JP 2004527681 W 25 F01M-011/12 Based on patent WO 200265065

**Method for accurate determination of engine oil level in a motor vehicle, in which a correction is made for vehicle inclination based...**

Abstract (Basic):

... Accurate determination of engine oil level in a motor vehicle...

...International Patent Class (Main): G06F-019/00

10/3,K/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv:

014196965 \*\*Image available\*\*

WPI Acc No: 2002-017662/200202

XRPX Acc No: N02-014077

**Customized motor oil selection process using global computer network e.g. the Internet and customer specification**

Patent Assignee: CASTROL LTD (CASL ); BROWN M G (BROW-I); GOLDBLATT I L (GOLD-I); MCHENRY M E (MCHE-I); SEYMOUR C S (SEYM-I); SMITH A D (SMIT-I)

Inventor: BROWN M G; GOLDBLATT I L; MCHENRY M E; SEYMOUR C S; SMITH A D

Number of Countries: 095 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200180119	A2	20011025	WO 2001US11595	A	20010410	200202 B
US 20020016746	A1	20020207	US 2000196294	P	20000412	200213
			US 2001829393	A	20010410	
AU 200151494	A	20011030	AU 200151494	A	20010410	200219
GB 2377062	A	20021231	WO 2001US11595	A	20010410	200303
			GB 200223080	A	20021004	
DE 10196068	T	20030424	DE 1096068	A	20010410	200328
			WO 2001US11595	A	20010410	
CN 1457462	A	20031119	CN 2001807910	A	20010410	200412

Priority Applications (No Type Date): US 2000196294 P 20000412; US 2001829393 A 20010410

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200180119 A2 E 40 G06F-017/60

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

US 20020016746 A1 G06F-017/60 Provisional application US 2000196294

AU 200151494 A G06F-017/60 Based on patent WO 200180119

GB 2377062 A G06F-017/60 Based on patent WO 200180119

DE 10196068 T G06F-017/60 Based on patent WO 200180119

CN 1457462 A G06F-017/60

**Customized motor oil selection process using global computer network e.g. the Internet and customer specification**

International Patent Class (Main): G06F-017/60

10/3,K/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

011844019     \*\*Image available\*\*  
WPI Acc No: 1998-260929/199823  
XRPX Acc No: N98-205756

**Display for temperature control system in internal combustion engine -  
has three temperature sensing arrangements for sensing ambient air  
temperature, engine oil temperature and temperature control fluid  
temperature**

Patent Assignee: HOLLIS T J (HOLL-I)  
Inventor: CANNUSCIO R E; HOLLIS T J  
Number of Countries: 001    Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5742920	A	19980421	US 95507100	A	19950726	199823    B

Priority Applications (No Type Date): US 95507100 A 19950726

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5742920	A		19	G06F-007/70	

...Abstract (Basic): The engine computer **determines** a desired **engine  
oil** temperature based on the comparison of the sensed ambient air  
temperature to the set of...

International Patent Class (Main): **G06F-007/70**

10/3,K/8        (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

007830380  
WPI Acc No: 1989-095492/198913  
XRPX Acc No: N89-072500

**Engine surveillance system for vehicle e.g. tank - includes oil pressure  
sensors and electronic data logger collecting information for analysis by  
processor**

Patent Assignee: AETA APPL ELTRN TEC (AETA-N)  
Inventor: BERTHAUME P; PLAT D; TORET A  
Number of Countries: 009    Number of Patents: 003  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 309346	A	19890329	EP 88402381	A	19880921	198913    B
FR 2621122	A	19890331				198920
BR 8804927	A	19890502				198923

Priority Applications (No Type Date): FR 8713320 A 19870925

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 309346	A	F	12		

Designated States (Regional): AT BE DE ES FR GB IT LU

...Abstract (Basic): **ADVANTAGE - Determination** of condition of vehicle  
**engine oil** and other parameters assists in servicing.

...International Patent Class (Additional): **G06F-015/00**

10/3,K/9        (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.



01637544

Java telematics emulator

Java Telematik Emulator

Emulateur java pour la telematique

PATENT ASSIGNEE:

Sun Microsystems, Inc., (2616582), 901 San Antonio Road, M/S UPAL 01-521,  
Palo Alto, California 94303, (US), (Applicant designated States: all)

INVENTOR:

Mocek, Darryl J., 440 Buckingham Park Court, San Jose, California  
95136-2011, (US)

McWalter, William F., 46 Showers Drive A135, Mountain View, CA 94040,  
(US)

Razavi, Behfar, 7145 Glenview Drive, San Jose, California 95120, (US)

Kelly, Lisa M., 10162 Alpine Drive B, Cupertino, California 95014, (US)

Decristo, Dianna L., 710 4th Avenue, Venice, California 90291, (US)

LEGAL REPRESENTATIVE:

Collins, John David (74592), Marks & Clerk, 57-60 Lincoln's Inn Fields,  
London WC2A 3LS, (GB)

PATENT (CC, No, Kind, Date): EP 1349064 A2 031001 (Basic)

EP 1349064 A3 040512

APPLICATION (CC, No, Date): EP 2003251796 030321;

PRIORITY (CC, No, Date): US 104294 020322

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;  
HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS: G06F-009/455

ABSTRACT WORD COUNT: 116

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	200340	623
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SPEC A	(English)	200340	6943
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Total word count - document A	7566
-------------------------------	------

Total word count - document B	0
-------------------------------	---

Total word count - documents A + B	7566
------------------------------------	------

INTERNATIONAL PATENT CLASS: G06F-009/455

...SPECIFICATION can be written to control or monitor the activity of  
automobile components (e.g., tires, **engine oil** , wiper activity,  
steering tightness, maintenance **recommendations** , air bag control,  
transmission control, etc.), and to control or monitor applications to be  
processed...

10/3,K/10 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01634757

Abstract user inteface manager with prioritization

Abstrakte Benutzerschnittstellenverwaltung mit Priorisierung

Gestionnaire d'interface utilisateur avec prioritisation

PATENT ASSIGNEE:

Sun Microsystems, Inc., (4069951), 4150 Network Circle, MS SCA121-203,  
Santa Clara, California 95054, (US), (Applicant designated States: all)

INVENTOR:

McWalter, William F., 18 Melville Terrace, Stirling FK8 2NQ, (GB)  
Kelly, Lisa M., 10162 Alpine Drive Nr.B, Cupertino, California 95014,  
(US)  
Decristo, Dianna L., 710 4th Avenue Nr.6, Venice, California 90291, (US)  
Razavi, Behfar, 7145 Glenview Drive, San Jose, California 95120, (US)

LEGAL REPRESENTATIVE:

Collins, John David (74592), Marks & Clerk, 57-60 Lincoln's Inn Fields,  
London WC2A 3LS, (GB)

PATENT (CC, No, Kind, Date): EP 1347377 A2 030924 (Basic)

APPLICATION (CC, No, Date): EP 2003251405 030307;

PRIORITY (CC, No, Date): US 104245 020322

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;  
HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS: G06F-009/44

ABSTRACT WORD COUNT: 80

NOTE:

Figure number on first page: 5

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200339	1435
SPEC A	(English)	200339	5714
Total word count - document A			7149
Total word count - document B			0
Total word count - documents A + B			7149

INTERNATIONAL PATENT CLASS: G06F-009/44

...SPECIFICATION can be written to control or monitor the activity of  
automobile components (e.g., tires, **engine oil** , wiper activity,  
steering tightness, maintenance **recommendations** , air bag control,  
transmission control, engine temperature monitoring, etc.), and to  
control

10/3,K/11 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01442701

**Server for remote vehicle troubleshooting and the like**

**Server zur Fernfehlersuche in Fahrzeugen und dergleichen**

**Serveur pour detecter des pannes de vehicules a distance et similaire**

PATENT ASSIGNEE:

Mazda Motor Corporation, (547927), 3-1, Shinchii, Fuchu-cho, Aki-gun,  
Hiroshima 730-8670, (JP), (Applicant designated States: all)

INVENTOR:

Ohmura, Hiroshi, Mazda Motor Corp., 3-1 Shinchii, Fuchu-cho, Aki-gun,  
Hiroshima 730-8670, (JP)

Hosoda, Koji, Mazda Motor Corp., 3-1 Shinchii, Fuchu-cho, Aki-gun,  
Hiroshima 730-8670, (JP)

Hirabayashi, Shigefumi, Mazda Motor Corp., 3-1 Shinchii, Fuchu-cho,  
Aki-gun, Hiroshima 730-8670, (JP)

LEGAL REPRESENTATIVE:

Muller-Bore & Partner Patentanwalte (100651), Grafinger Strasse 2, 81671  
Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1229475 A2 020807 (Basic)  
EP 1229475 A3 020904

APPLICATION (CC, No, Date): EP 2002001194 020129;  
PRIORITY (CC, No, Date): JP 200124543 010131  
DESIGNATED STATES: DE; ES; FR; GB; IT  
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
INTERNATIONAL PATENT CLASS: G01M-015/00; G06F-011/273  
ABSTRACT WORD COUNT: 127  
NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200232	2260
SPEC A	(English)	200232	11059
Total word count - document A			13319
Total word count - document B			0
Total word count - documents A + B			13319

...INTERNATIONAL PATENT CLASS: G06F-011/273

...SPECIFICATION item (inspection item) that requires an inspection only the owner can conduct, such as an engine oil inspection. When "Troubleshooting Guide" is selected inspection steps to be carried out by the owner are displayed on the display 52...and 16 taking "How to check engine oil degradation" as an example. When the owner selects "How to check engine oil degradation" in the screen of Figure 14, the screens R1, R2 and R3 shown in...

10/3,K/12 (Item 4 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

01442685

Method and system for providing information pertaining to secondhand articles and machines via a network

System und Verfahren um Informationen über gebrauchte Artikel und Maschinen mittels eines Netzwerks zu vermitteln

Systeme et methode de mise a disposition sur un reseau d'informations concernant des articles et machines vendus en seconde main

PATENT ASSIGNEE:

Komatsu Ltd, (847923), 3-6 Akasaka 2-chome, Minato-ku, Tokyo 107-8414, (JP), (Applicant designated States: all)

Bigrental Co., Ltd., (3996750), 4-16-1, Saikon, Koriyama, Fukushima 963-8862, (JP), (Applicant designated States: all)

INVENTOR:

Abe, Noriaki, Komatsu, Ltd., 2-3-6, Akasaka, Minato-ku, Tokyo 107-8414, (JP)

Shike, Chikashi, Bigrental Co., Ltd., 4-16-1, Saikon, Koriyama, Fukushima 963-8862, (JP)

LEGAL REPRESENTATIVE:

Hoffmann, Eckart, Dipl.-Ing. (5571), Patentanwalt, Bahnhofstrasse 103, 82166 Grafelfing, (DE)

PATENT (CC, No, Kind, Date): EP 1229474 A2 020807 (Basic)  
EP 1229474 A3 030416

APPLICATION (CC, No, Date): EP 2002001113 020124;

PRIORITY (CC, No, Date): JP 200116369 010124

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/60

ABSTRACT WORD COUNT: 182

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200232	1239
SPEC A	(English)	200232	8527
Total word count - document A			9766
Total word count - document B			0
Total word count - documents A + B			9766

INTERNATIONAL PATENT CLASS: G06F-017/60

...SPECIFICATION machine. In particular, the results of oil analysis show the amount of metal in the engine oil and are therefore useful in determining the quality of the engine.

Special articles (for example, the fact that a special service...

10/3,K/13 (Item 5 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01368801

CUSTOMIZED MOTOR OIL SELECTION

MASSGESCHNEIDERTE ZUSAMMENSETZUNG VON MOTORENOL

SELECTION PERSONNALISEE D'HUILE DE MOTEUR

PATENT ASSIGNEE:

CASTROL LIMITED, (223191), Burmah Castrol House, Pipers Way, Swindon, Wiltshire SN3 1RE, (GB), (Applicant designated States: all)

INVENTOR:

MCHENRY, Michael, E., 19 Valley View Road, Washington, NJ 07882, (US)

GOLDBLATT, Irwin, L., 8 Celler Road, Edison, NJ 08817, (US)

SEYMOUR, Charles, S., 66 Rick Road, Milford, NJ 08848, (US)

BROWN, Myron, G., 528 Farmersville Road, Flemington, NJ 08822, (US)

SMITH, Anthony, D., 111 Kinesville Road, Flemington, NJ 08822, (US)

PATENT (CC, No, Kind, Date):

WO 2001080119 011025

APPLICATION (CC, No, Date): EP 2001924882 010410; WO 2001US11595 010410

PRIORITY (CC, No, Date): US 196294 P 000412

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/60

LANGUAGE (Publication,Procedural,Application): English; English; English

CUSTOMIZED MOTOR OIL SELECTION

INTERNATIONAL PATENT CLASS: G06F-017/60

10/3,K/14 (Item 6 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00411053

METHOD AND APPARATUS FOR PROCESS MANUFACTURE CONTROL

VERFAHREN UND VORRICHTUNG ZUR STEUERUNG EINES HERSTELLUNGSVERFAHRENS

PROCEDE ET APPAREIL DE COMMANDE D'UN PROCEDE DE FABRICATION

PATENT ASSIGNEE:

Marcam Solutions, Inc., (2835130), 95 Wells Avenue, Newton, MA 02150,  
(US), (Proprietor designated states: all)

INVENTOR:

EBLING, Thomas, D., 37 Beacon Street, Apt. 41, Boston, MA 02108, (US)  
CONNOR, Susan, J., 25 Tahanto Trail, Harvard, MA 01451, (US)  
HOWD, Thomas, C., 13 Potter Road, Framingham, MA 01701, (US)  
THOMPSON, Olin, W., Jr., 624 Dedham Street, Newton, MA 01259, (US)

LEGAL REPRESENTATIVE:

Greenwood, John David et al (56695), Graham Watt & Co. Riverhead,  
Sevenoaks Kent TN13 2BN, (GB)

PATENT (CC, No, Kind, Date): EP 490890 A1 920624 (Basic)  
EP 490890 A1 921202  
EP 490890 B1 000426  
WO 9103793 910321

APPLICATION (CC, No, Date): EP 89910289 890905; WO 89US3828 890905

PRIORITY (CC, No, Date): EP 89910289 890905; WO 89US3828 890905

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: G06F-017/60 ; G05B-019/418

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200017	4165
CLAIMS B	(German)	200017	4039
CLAIMS B	(French)	200017	4958
SPEC B	(English)	200017	19574
Total word count - document A			0
Total word count - document B			32736
Total word count - documents A + B			32736

INTERNATIONAL PATENT CLASS: G06F-017/60 ...

...SPECIFICATION products, including gasoline, motor oil, and a variety of other petrochemical compounds. The relationship between **produced** goods (gasoline, **motor** oil , etc.) and the consumed goods (crude oil) is referred to as a many-to-one...

10/3,K/15 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

01146203 \*\*Image available\*\*

ONLINE GAME ADVERTISING SYSTEM

SYSTEME D'ANNONCES PUBLICITAIRES SUR JEUX EN LIGNE

Patent Applicant/Inventor:

CHU Viva, 15593 Harbor Way,, San Leandro, CA 94579, US, US (Residence),  
US (Nationality)

Legal Representative:

CARPENTER John W (agent), Reed Smith Crosby Heafey LLP, Two Embarcadero  
Center, Suite 2000, San Francisco, CA 94111, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200468278 A2 20040812 (WO 0468278)

Application: WO 2004US1022 20040115 (PCT/WO US04001022)

Priority Application: US 2003351031 20030124

Designated States:

(All protection types applied unless otherwise stated - for applications  
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM

DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO  
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 12060

Main International Patent Class: G06F

Fulltext Availability:

Detailed Description

Detailed Description

... game object representing engine oil. When stopping for a pit stop, the  
game player may **choose** the brand of **engine oil** that he prefers to  
use in real life and within the game. **Selecting** a specific brand of  
**engine oil** also allows the game  
player to click on a special pop-up to be sent...

10/3,K/16 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

01115797 \*\*Image available\*\*

ASSOCIATION LEARNING FOR AUTOMATED RECOMMENDATIONS

APPRENTISSAGE PAR ASSOCIATION DE RECOMMANDATIONS AUTOMATISEES

Patent Applicant/Assignee:

SAP AKTIENGESSELLSCHAFT, Neurottstrasse 16, 69190 Walldorf, DE, DE  
(Residence), DE (Nationality)

Inventor(s):

RONNEWINKEL Christopher, Heidelberger Strasse 34, 69126 Heidelberg, DE,  
KAISER Matthias, 1235 Brookdale Avenue, Mountain View, CA 94040, US,  
WU Yuh-Cherng, 1382 Buckthorne Way, San Jose, CA 95129, US,

Legal Representative:

SCHIUMA Daniele (agent), Muller-Bore & Partner, Grafinger Strasse 2,  
81671 Munchen, DE,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200438610 A2 20040506 (WO 0438610)

Application: WO 2003IB5528 20031024 (PCT/WO IB03005528)

Priority Application: US 2002421650 20021025; US 2002320005 20021216

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK  
LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC  
SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7218

Main International Patent Class: G06F-017/30

Fulltext Availability:

Detailed Description

Detailed Description

... refinement

interface 130, the user may conclude the search by focusing on a learning engine recommendation of "motor oil". The confirmation process 135 may store the initial input focus (e.g. "automobiles" and "petroleum") and final recommendation ("motor oil") in a database table and use this data as training-data 170 for subsequent learning...

10/3,K/17 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

01105867 \*\*Image available\*\*

AUTOMATED REGRESSION ANALYSIS AND ITS APPLICATIONS SUCH AS WATER ANALYSIS  
ANALYSE DE REGRESSION AUTOMATISEE ET SES APPLICATIONS DE TYPE ANALYSE DE  
L'EAU

Patent Applicant/Inventor:

METTES Jacob, 660 Gillaspie Drive, Boulder, CO 80305, US, US (Residence),  
US (Nationality)

Patent and Priority Information (Country, Number, Date):

Patent: WO 200427387 A2-A3 20040401 (WO 0427387)

Application: WO 2003US29961 20030923 (PCT/WO US03029961)

Priority Application: US 2002413001 20020923

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD  
SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
SI SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 13535

...International Patent Class: G06F-019/00

Fulltext Availability:

Detailed Description

Detailed Description

... number of semi-empirical determined parameters, the invention enables to construct an automated provision that determines the current viscosity of the engine oil by monitoring the engine temperature as a function of the rpm number, speedometer reading and...

10/3,K/18 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00909522      \*\*Image available\*\*

**OIL MAINTENANCE INDICATOR**

**INDICATEUR DE MAINTENANCE HUILE**

Patent Applicant/Assignee:

VOLVO TRUCKS NORTH AMERICA INC, 7900 National Service Road, Greensboro,  
NC 27402, US, US (Residence), US (Nationality)

Inventor(s):

LANGERVIK Dennis, 14 Winterberry Court, Greensboro, NC 27455, US,

Legal Representative:

FISHER Thomas E (agent), Watts, Hoffmann, Fisher & Heinke Co., L.P.A.,  
1100 Superior Ave., Ste. 1750, Cleveland, OH 44114, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200242118 A2-A3 20020530 (WO 0242118)

Application: WO 2001US43393 20011121 (PCT/WO US0143393)

Priority Application: US 2000722920 20001127

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CH CN CU CZ DE DK EE ES FI GB GE GH GM HU

ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW NO NZ OM

PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4835

Main International Patent Class: G06F-015/00

Fulltext Availability:

Claims

Claim

... number of revolutions to a known number of  
engine revolutions required to achieve the known engine oil pressure  
to determine  
whether the oil has been changed since a previous start up;  
c) recording that the...

10/3,K/19      (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00882989      \*\*Image available\*\*

**METHOD FOR GUIDING REPAIR OR REPLACEMENT OF PARTS FOR GENERALLY COMPLEX  
EQUIPMENT**

**PROCEDE D'AIDE A LA REPARATION OU AU REMPLACEMENT DE PARTIES D'EQUIPEMENT  
GENERALEMENT COMPLEXE**

Patent Applicant/Assignee:

GENERAL ELECTRIC COMPANY, One River Road, Schenectady, NY 12301, US, US  
(Residence), US (Nationality), (For all designated states except: US)

Inventor(s):

MCQUOWN Christopher, 3516 Dominic Drive, Erie, PA 16506, US,

SMITH Mark Douglas, 650 Roberts Road, Jacksonville, FL 32259, US,

SCHLABACH James Edward, 4138 Mountain Laurel Drive, Erie, PA 16510, US,

Legal Representative:

MAIRE David G (et al) (agent), Beusse, Brownlee, Bowdoin & Wolter P.A.,  
Suite 2500, 390 North Orange Avenue, Orlando, FL 32801, US,



Patent and Priority Information (Country, Number, Date):

Patent: WO 200217118 A2 20020228 (WO 0217118)

Application: WO 2001US12984 20010420 (PCT/WO US0112984)

Priority Application: US 2000644421 20000823; US 2000258747 20001229

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS  
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 13069

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... locomotive repair technician,  
or user, will check engine oil level, step 304. The user will **determine**  
whether the **engine** oil level is overfull, step 306. If overfull, the  
user will drain the oil to the...

10/3,K/20 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00847419

CUSTOMIZED MOTOR OIL SELECTION

SELECTION PERSONNALISEE D'HUILE DE MOTEUR

Patent Applicant/Assignee:

CASTROL LIMITED, Burmah Castrol House, Pipers Way, Swindon, Wiltshire SN3  
1RE, GB, GB (Residence), GB (Nationality), (For all designated states  
except: US)

Patent Applicant/Inventor:

MCHENRY Michael E, 19 Valley Vie

(Residence), US (Nationality),

GOLDBLATT Irwin L, 8 Celler Road,

US (Nationality), (Designated c

SEYMOUR Charles S, 66 Rick Road,

US (Nationality), (Designated o

BROWN Myron G, 528 Farmersville R

(Residence), US (Nationality), (

SMITH Anthony D, 111 Kinesville Ro

(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

DAVIDSON Bryan H (agent), Nixon & Vanderhye P.C., 1100 North Glebe Road,  
Suite 800, Arlington, VA 22201-4714, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200180119 A2 20011025 (WO 0180119)

Application: WO 2001US11595 20010410 (PCT/WO US0111595)

Priority Application: US 2000196294 20000412

Designated States:

(Protection type is "patent" unless otherwise stated - for applications

prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS  
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7589

#### CUSTOMIZED MOTOR OIL SELECTION

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

#### CUSTOMIZED MOTOR OIL SELECTION

CROSS-REFERENCE TO RELATED APPLICATION

This application is based on, and claims domestic priority...

...highly desirable if those individuals had a mechanism by which they could participate in the **design** of their **motor oils**, and parti(inverted question mark)ularly if they had ready access to the purchase of...

...The customer might have little or no knowledge of the science and techniques of formulating **motor oils**, but still desire to **create** an ofl that meets their particular needs.

They would thus need access to on-line...through 13.

FIGURE 15 is a simplified blending scheme which might be employed in preparing **customized motor oils**. The marketer would begin with a quality baseline motor ofl blend comprised of the desired...the invention relates to a method and apparatus allowing - 16 customized production and selection, or **design**, production, and selection, of **motor oils** that suit a particular customer's need (as well as motor ofis so produced), and...

10/3,K/21 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00825036 \*\*Image available\*\*

SYSTEM AND METHOD FOR DYNAMIC PRICE SETTING AND FACILITATION OF COMMERCIAL TRANSACTIONS

SYSTEME ET PROCEDE DE FIXATION DE PRIX DYNAMIQUE ET DE FACILITATION DE TRANSACTIONS COMMERCIALES

Patent Applicant/Assignee:

XPENSWISE COM INC, 8424 SE 62nd Street, Mercer Island, WA 98040, US; US  
(Residence), US (Nationality)

Inventor(s):

LITZOW Steve, 8424 SE 62nd Street, Mercer Island, WA 98040, US,  
RICE Rebel, 1380 Greenwich, #109, San Francisco, CA 94109, US,  
ADDINGTON William, 15218 Marlebone Ct., Houston, TX 77069, US,

Legal Representative:

LORBIECKI Mark L (agent), Black Lowe & Graham, PLLC, 816 2nd Avenue,  
Seattle, WA 98104, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200157616 A2-A3 20010809 (WO 0157616)

Application: WO 2001US3582 20010202 (PCT/WO US0103582)

Priority Application: US 2000180363 20000204; US 2000714853 20001115

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 13220

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... ancestry, and in the group from 40 to 45 years of age, in order to  
**determine** then- **motor** oil purchasing habits. These purchasing habits  
are then associated with those demographic factors, are studied for...

10/3,K/22 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00751244 \*\*Image available\*\*

FEATURES OF MAIN CONTROL COMPUTER FOR A POWER MACHINE

CARACTERISTIQUES D'UN ORDINATEUR CENTRAL DE COMMANDE POUR UNE MACHINE  
MOTRICE

Patent Applicant/Assignee:

CLARK EQUIPMENT COMPANY, 200 Chestnut Ridge Road, P.O. Box 8738,  
Woodcliff Lake, NJ 07675-8738, US, US (Residence), US (Nationality)

Inventor(s):

BRANDT Kenneth A, 605 Date Avenue, Wyndmere, ND 58081, US,

ROSSOW Scott R, 5037 Elm Tree Road, Kindred, ND 58051, US,

Legal Representative:

KELLY Joseph R (et al) (agent), Westman, Champlin & Kelly, P.A., Suite  
1600, International Centre, 900 Second Avenue South, Minneapolis, MN  
55402-3319, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200064231 A2-A3 20001102 (WO 0064231)

Application: WO 2000US10897 20000421 (PCT/WO US0010897)

Priority Application: US 99298671 19990423

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AU CA JP KR

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 15894

Main International Patent Class: G06F-007/70

Fulltext Availability:

Detailed Description

Detailed Description

... speed, controller 52 can be configured to sense a wide variety of other things, including **engine** oil pressure, etc., to **determine** whether the engine is running.

Spool Lock Control

FIG. 5 is a more detailed block...

10/3,K/23 (Item 9 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00186450

METHOD AND APPARATUS FOR PROCESS MANUFACTURE CONTROL

PROCEDE ET APPAREIL DE COMMANDE D'UN PROCEDE DE FABRICATION

Patent Applicant/Assignee:

MARCAM CORPORATION,

Inventor(s):

EBLING Thomas D,

CONNOR Susan J,

HOWD Thomas C,

THOMPSON Olin W Jr,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9103793 A1 19910321

Application: WO 89US3828 19890905 (PCT/WO US8903828)

Priority Application: WO 89US3828 19890905

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT BE CH DE FR GB IT JP LU NL SE

Publication Language: English

Fulltext Word Count: 25664

Main International Patent Class: G06F-015/46

Fulltext Availability:

Detailed Description

Detailed Description

... products, including gasoline, motor oil, and a variety of other petrochemical compounds. The relationship between **produced** goods (gasoline, **motor** oil, etc.) and the consumed goods (crude oil) is referred to as a many-to-one...

10/3,K/24 (Item 10 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00178898 \*\*Image available\*\*

IDENTIFICATION AND PERFORMANCE MONITORING SYSTEM FOR MOBILE EQUIPMENT

SYSTEME DE CONTROLE DE FONCTIONNEMENT ET D'IDENTIFICATION POUR EQUIPEMENTS

# MOBILES

Patent Applicant/Assignee:

WISE William H,  
ROSS Bruce D,

Inventor(s):

WISE William H,  
ROSS Bruce D,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9012366 A1 19901018  
Application: WO 90US1736 19900402 (PCT/WO US9001736)  
Priority Application: US 8983 19890404

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT BE CA CH DE DK ES FR GB IT JP LU NL SE

Publication Language: English

Fulltext Word Count: 16784

Main International Patent Class: G06F-013/00

Fulltext Availability:

Detailed Description

Detailed Description

... transmission fluid  
pressure; miscellaneous temperature sensors 56r 56'r  
56l'r etc\* as necessary to **determine** various  
temperatures such as **engine oil** temperaturer engine  
coolant temperaturer transmission fluid temperaturer  
ambient air temperaturer engine inlet air temperature,  
etc...

?

File 16:Gale Group PROMT(R) 1990-2004/Dec 02  
     (c) 2004 The Gale Group  
 File 148:Gale Group Trade & Industry DB 1976-2004/Dec 02  
     (c) 2004 The Gale Group  
 File 160:Gale Group PROMT(R) 1972-1989  
     (c) 1999 The Gale Group  
 File 275:Gale Group Computer DB(TM) 1983-2004/Dec 02  
     (c) 2004 The Gale Group  
 File 621:Gale Group New Prod.Annou.(R) 1985-2004/Dec 02  
     (c) 2004 The Gale Group  
 File 636:Gale Group Newsletter DB(TM) 1987-2004/Dec 02  
     (c) 2004 The Gale Group  
 File 9:Business & Industry(R) Jul/1994-2004/Dec 01  
     (c) 2004 The Gale Group  
 File 15:ABI/Inform(R) 1971-2004/Dec 02  
     (c) 2004 ProQuest Info&Learning  
 File 20:Dialog Global Reporter 1997-2004/Dec 02  
     (c) 2004 The Dialog Corp.  
 File 95:TEME-Technology & Management 1989-2004/Jun W1  
     (c) 2004 FIZ TECHNIK  
 File 476:Financial Times Fulltext 1982-2004/Dec 02  
     (c) 2004 Financial Times Ltd  
 File 610:Business Wire 1999-2004/Dec 02  
     (c) 2004 Business Wire.  
 File 613:PR Newswire 1999-2004/Dec 02  
     (c) 2004 PR Newswire Association Inc  
 File 624:McGraw-Hill Publications 1985-2004/Dec 02  
     (c) 2004 McGraw-Hill Co. Inc  
 File 634:San Jose Mercury Jun 1985-2004/Dec 01  
     (c) 2004 San Jose Mercury News  
 File 810:Business Wire 1986-1999/Feb 28  
     (c) 1999 Business Wire  
 File 813:PR Newswire 1987-1999/Apr 30  
     (c) 1999 PR Newswire Association Inc  
 File 635:Business Dateline(R) 1985-2004/Dec 02  
     (c) 2004 ProQuest Info&Learning  
 File 570:Gale Group MARS(R) 1984-2004/Dec 02  
     (c) 2004 The Gale Group  
 File 477:Irish Times 1999-2004/Dec 02  
     (c) 2004 Irish Times  
 File 710:Times/Sun.Times(London) Jun 1988-2004/Dec 01  
     (c) 2004 Times Newspapers  
 File 711:Independent(London) Sep 1988-2004/Dec 01  
     (c) 2004 Newspaper Publ. PLC  
 File 756:Daily/Sunday Telegraph 2000-2004/Dec 02  
     (c) 2004 Telegraph Group  
 File 757:Mirror Publications/Independent Newspapers 2000-2004/Dec 01  
     (c) 2004  
 File 387:The Denver Post 1994-2004/Dec 01  
     (c) 2004 Denver Post  
 File 471:New York Times Fulltext 90-Day 2004/Dec 02  
     (c) 2004 The New York Times  
 File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06  
     (c) 2002 Phoenix Newspapers  
 File 494:St LouisPost-Dispatch 1988-2004/Nov 29  
     (c) 2004 St Louis Post-Dispatch  
 File 498:Detroit Free Press 1987-2004/Dec 01  
     (c) 2004 Detroit Free Press Inc.  
 File 631:Boston Globe 1980-2004/Dec 02  
     (c) 2004 Boston Globe  
 File 633:Phil.Inquirer 1983-2004/Dec 01

(c) 2004 Philadelphia Newspapers Inc  
 File 638:Newsday/New York Newsday 1987-2004/Dec 01  
 (c) 2004 Newsday Inc.  
 File 640:San Francisco Chronicle 1988-2004/Dec 02  
 (c) 2004 Chronicle Publ. Co.  
 File 641:Rocky Mountain News Jun 1989-2004/Dec 01  
 (c) 2004 Scripps Howard News  
 File 702:Miami Herald 1983-2004/Dec 01  
 (c) 2004 The Miami Herald Publishing Co.  
 File 703:USA Today 1989-2004/Dec 01  
 (c) 2004 USA Today  
 File 704:(Portland)The Oregonian 1989-2004/Dec 01  
 (c) 2004 The Oregonian  
 File 713:Atlanta J/Const. 1989-2004/Dec 02  
 (c) 2004 Atlanta Newspapers  
 File 714:(Baltimore) The Sun 1990-2004/Dec 02  
 (c) 2004 Baltimore Sun  
 File 715:Christian Sci.Mon. 1989-2004/Dec 02  
 (c) 2004 Christian Science Monitor  
 File 725:(Cleveland)Plain Dealer Aug 1991-2004/Dec 01  
 (c) 2004 The Plain Dealer  
 File 735:St. Petersburg Times 1989- 2004/Dec 01  
 (c) 2004 St. Petersburg Times

Set	Items	Description
S1	40002	(MOTOR OR ENGINE? ?) ()OIL? ?
S2	2884	S1(5N)(DESIGN? OR CUSTOMI? OR CREAT? OR PRODUCE? OR DEVELO- P?)
S3	750	S1(5N)(SELECT? OR CHOOS? OR DETERMIN? OR RECOMMEND? OR SUG- GEST?)
S4	103	(WEBSITE? OR WEBPAGE? OR WEB() (SITE? OR PAGE? OR INTERNET)- ) (5N)CASTROL?
S5	10687	AU=(MCHENRY, M? OR MCHENRY M? OR GOLDBLATT, I? OR GOLDGLATT I? OR SEYMOUR, C? OR SEYMOUR C? OR BROWN, M? OR BROWN M? OR - SMITH, A? OR SMITH A?)
S6	1	(S2 OR S3) (S)S4
S7	158	(S2 OR S3) (S) (WEBSITE? OR WEBPAGE? OR WEB() (SITE? OR PAGE? OR INTERNET))
S8	19	S7 NOT PY>2000
S9	12	RD (unique items)
S10	0	S5(S) (S2 OR S3)

6/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2004 The Gale Group. All rts. reserv.

3253369 Supplier Number: 03253369 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
DNA CONSULTING GEARS UP FOR CASTROL'S ONLINE BRAND GUIDE  
(DNA Consulting selected by Castrol to develop online master brand  
guidelines)

New Media Age, p 12

September 20, 2001

DOCUMENT TYPE: Journal ISSN: 1364-7776 (United Kingdom)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 80

TEXT:

DNA Consulting, the interactive advertising agency, has been appointed by Castrol, the **motor** oil company, to **develop** its worldwide online master brand guidelines. The online guide will be applied to international and...

...will be considered. DNA has been working with Castrol since 2000 and developed its global **Web site** , **Castrol .com**



9/3,K/1 (Item 1 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2004 The Gale Group. All rts. reserv.

08147318 Supplier Number: 68141269 (USE FORMAT 7 FOR FULLTEXT)

**Probex Announces Board Changes.**

Business Wire, p2049

Dec 18, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 534

... advantages in the highly economic creation of premium quality base oils capable of meeting new **motor oil** standards without **creation** of waste by-products. The goal of Probex is to become the world leader in...

...commercialization of its ProTerra(TM) technology. For more information about Probex, visit the Company's **web site** at [www.probex.com](http://www.probex.com).

Certain statements contained herein may be considered "forward-looking statements" as...

9/3,K/2 (Item 2 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2004 The Gale Group. All rts. reserv.

08134326 Supplier Number: 67926410 (USE FORMAT 7 FOR FULLTEXT)

**Probex Engages Credit Suisse First Boston as Exclusive Financial Advisor.**

Business Wire, p2329

Dec 12, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 460

... advantages in the highly economic creation of premium quality base oils capable of meeting new **motor oil** standards without **creation** of waste by-products. The goal of Probex is to become the world leader in...

...commercialization of its ProTerra(TM) technology. For more information about Probex, visit the company's **web site** at [www.probex.com](http://www.probex.com).

About Credit Suisse First Boston  
CSFB is a leading global investment...

9/3,K/3 (Item 1 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

01575594 02-26583

**New oil category on horizon**

Cullen, David

Fleet Owner v93n1 PP: 18 Jan 1998

ISSN: 1070-194X JRNL CODE: FOW

WORD COUNT: 180

...TEXT: s oil-awareness program is focused on helping fleets apply "knowledgeable" maintenance practices to the **selection** of **motor oils**. The information will be available through several channels, including a toll-free information line, 1-888-PC7-7855, and at Chevron's **Web site**, [www.chevron.com/PC7](http://www.chevron.com/PC7).

9/3,K/4 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01443431 00-94418  
**TrukLink: An electronic gateway to supplier information**  
Ludorf, Carol A  
Fleet Equipment v23n6 PP: 45-46 Jun 1997  
ISSN: 0747-2544 JRNL CODE: FEQ  
WORD COUNT: 1158

...TEXT: wish to personally talk to a representative. (Tires, Wheels &Rims)

PENNZOIL PRODUCTS COMPANY At its **Web site**, this company provides descriptions and **recommended** uses for the **engine oils**, gear and transmission oils, hydraulic fluids and greases it supplies. Ordering details for its products...

9/3,K/5 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2004 The Dialog Corp. All rts. reserv.

13583240  
PR Newswire California Summary, Wednesday, Nov. 01, 2000 up to 10:00 a.m.  
PT  
PR NEWSWIRE  
November 01, 2000  
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1297

... CA-STP-Cut-Oil-Change (OAKLAND) New STP Development Allows Consumers to Cut Frequency of **Recommended Motor Oil** Changes in Half SFW008 11/01/2000 08:05 r v bc-CA-SmartAge-Survey...

... SFW064 11/01/2000 08:07 r f bc-MI-Corporate-Apparel (MARQUETTE) Corporate Apparel **Web Site** Invites 'Great Ideas' SFW072 11/01/2000 08:07 r f bc-CA-NexPrise-Gemini...

... CA-STP-Cut-Oil-Change (OAKLAND) New STP Development Allows Consumers to Cut Frequency of **Recommended Motor Oil** Changes in Half LAW066 11/01/2000 08:15 r f bc-CA-VISTainfo-MLS...

9/3,K/6 (Item 2 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2004 The Dialog Corp. All rts. reserv.

10509611 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Interactive: Rolling Into Cyberspace**  
BIRMINGHAM POST, p19  
April 11, 2000  
JOURNAL CODE: FBMP LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 110

... covers a wide range of aerospace manufacturing and business items ranging from paper clips to **engine oil**.  
Agency Cole Hansle **created** the brand identity and marketing

collateral and worked on the development of the website .

9/3,K/7 (Item 3 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2004 The Dialog Corp. All rts. reserv.

01371258 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
ADVISORY/Photo of Mobil 1(R) Fully Synthetic Motor Oil custom-designed  
exhibit is available on BW PhotoWire/AP PhotoExpress, PressLink and  
Business Wire's Web Site  
BUSINESS WIRE  
April 13, 1998 12:5  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 32

... custom-designed exhibit is available on BW PhotoWire/AP PhotoExpress,  
PressLink and Business Wire's Web Site

9/3,K/8 (Item 1 from file: 610)  
DIALOG(R)File 610:Business Wire  
(c) 2004 Business Wire. All rts. reserv.

00420318 20001204339B8248 (USE FORMAT 7 FOR FULLTEXT)  
Probex Successfully Closes On \$12.5 Million Financing  
Business Wire  
Monday, December 4, 2000 06:57 EST  
JOURNAL CODE: BUSINESS WIRE, COMTEX LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 435

...advantages in the highly economic  
creation of premium quality base oils capable of meeting new motor oil  
standards without creation of waste by-products. The goal of Probex is to  
become the world leader in...

...commercialization of its ProTerra(TM)  
technology.  
For more information about Probex, visit the company's web site at:  
[www.probex.com](http://www.probex.com).

Certain statements contained herein may be considered "forward-looking  
statements" as...

9/3,K/9 (Item 2 from file: 610)  
DIALOG(R)File 610:Business Wire  
(c) 2004 Business Wire. All rts. reserv.

00410077 20001115320B7807 (USE FORMAT 7 FOR FULLTEXT)  
Probex Announces Additional Investment by Bechtel Affiliate United  
Infrastructure Company  
Business Wire  
Wednesday, November 15, 2000 07:02 EST  
JOURNAL CODE: BUSINESS WIRE, COMTEX LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 737

...advantages in the highly economic  
creation of premium quality lube base oils capable meeting new motor oil  
standards without creation of waste by-products. The goal of Probex is to  
become of the world leader...

...commercialization of its ProTerra(TM)  
technology.

For more information about Probex, visit the company's web site at  
www.probex.com.

Certain statements contained herein may be considered "forward-looking  
statements" as...

9/3,K/10 (Item 3 from file: 610)

DIALOG(R)File 610:Business Wire

(c) 2004 Business Wire. All rts. reserv.

00399533 20001101306B6877 (USE FORMAT 7 FOR FULLTEXT)

Probex to Release Financial Results, Hold Conference Call On November 2  
Business Wire

Wednesday, November 1, 2000 11:12 EST

JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 440

...advantages in the highly economic  
creation of premium quality base oils capable of meeting new motor oil  
standards without creation of waste by-products. The goal of Probex is to  
become the world leader in...

...commercialization of its ProTerra(TM)  
technology.

For more information about Probex, visit the company's web site at  
www.probex.com.

Certain statements contained herein may be considered "forward-looking  
statements" as...

9/3,K/11 (Item 1 from file: 810)

DIALOG(R)File 810:Business Wire

(c) 1999 Business Wire . All rts. reserv.

0834281 BW0110

MOBIL PHOTO: Photo of Mobil 1(R) Fully Synthetic Motor Oil custom-  
designed exhibit is available on BW PhotoWire AP PhotoExpress,  
PressLink and Business Wire's Web Site

April 13, 1998

Byline: Photo/Business/Automotive/Sports Editors

Photo of Mobil 1(R) Fully Synthetic Motor Oil custom- designed exhibit  
is available on BW PhotoWire AP PhotoExpress, PressLink and Business  
Wire's Web Site

9/3,K/12 (Item 1 from file: 704)  
DIALOG(R) File 704:(Portland)The Oregonian  
(c) 2004 The Oregonian. All rts. reserv.

10287420

**ROUTINE MAINTENANCE AVERTS COSTLY REPAIRS**

Oregonian (PO) - Thursday, October 14, 1999

By: ELIZABETH SCHEIBNER COPLEY NEWS SERVICE

Edition: SUNRISE Section: DRIVE TIME 2000 EXTRA Page: R32

Word Count: 928

...its peak.

For additional information on preventive car care, visit the Car Care Council's **Web site** at [www.carcarecouncil.org](http://www.carcarecouncil.org). Fluids Experts agree that having your oil changed regularly is one...

... Yet, it is estimated that nearly one-third of car owners have low or dirty **motor oil**.

In the past, it was **recommended** that you change the oil every 3,000 miles. But with today's advanced engines...